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ENVIRONMENTAL MONITORING REPORT

Amalgamation of Gouri & Pauni OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2025

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/44	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

MANAGER OFFICE-GOURI-I OC BGOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂
09.10.2025	10.10.2025	297	204	52	18	15
20.10.2025	21.10.2025	256	171	31	15	11
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120

SAM OFFICE GOURI SUB AREA BGOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂
09.10.2025	10.10.2025	284	192	47	15	11
20.10.2025	21.10.2025	233	141	33	11	BDL
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120

GOURI COLONY FILTER PLANT BSOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂	
08.10.2025	09.10.2025	76	25	9	BDL	CLOUDY/CALM
09.10.2025	10.10.2025	86	28	10	BDL	CLOUDY/CALM
14.10.2025	15.10.2025	71	20	8	BDL	CLOUDY/CALM
17.10.2025	18.10.2025	85	33	10	BDL	CLOUDY/CALM
22.10.2025	23.10.2025	69	19	9	BDL	CLOUDY/CALM
23.10.2025	24.10.2025	78	24	8	BDL	CLOUDY/CALM
28.10.2025	29.10.2025	82	28	10	BDL	CLOUDY/CALM
29.10.2025	30.10.2025	71	22	7	BDL	CLOUDY/CALM
NAAQS, 2009		100	60	80	80	

GOURI VILLAGE BGOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂	
06.10.2025	07.10.2025	60	17	7	BDL	RAINY/CALM
07.10.2025	08.10.2025	73	22	9	BDL	CLOUDY/CALM
12.10.2025	13.10.2025	69	20	8	BDL	CLOUDY/CALM
13.10.2025	14.10.2025	78	26	10	BDL	CLOUDY/CALM
20.10.2025	21.10.2025	82	30	9	BDL	CLOUDY/CALM
21.10.2025	22.10.2025	74	25	8	BDL	CLOUDY/CALM
26.10.2025	27.10.2025	88	31	9	BDL	CLOUDY/CALM
27.10.2025	28.10.2025	71	22	7	BDL	CLOUDY/CALM
NAAQS, 2009		100	60	80	80	


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24)		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

GOURI I &II OC CHP				BGUF1
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
20.10.2025	21.10.2025	347	240	CLOUDY/CALM
GOURI I &II OC WEIGH BRIDGE				BGUF2
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
20.10.2025	21.10.2025	358	255	CLOUDY/CALM



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: BGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.10.2025	7.81	44	56	BDL
20.10.2025	7.93	26	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: BGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.10.2025	8.17	26	40	BDL
20.10.2025	8.30	34	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP: BGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11.10.2025	69.3	67.1
OCT'25	27.10.2025	66.5	63.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

MANAGER OFFICE (PAUNI OC): BAGPON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11.10.2025	55.2	50.1
OCT'25	27.10.2025	57.6	54.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

GOURI COLONY: BSON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11.10.2025	44.2	40.7
OCT'25	27.10.2025	43.8	41.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Yogesh Pidurkar
Reviewed by



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ENVIRONMENTAL MONITORING REPORT

BALLARPUR OC

BALLARPUR AREA

JOB NO. 4094423068



OCTOBER 2025

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JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/OCT-25/41		DATE OF ISSUE 25.11.2025	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)				
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN : LQR 47	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25	

MANAGER OFFICE-BALLARPUR UG BBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
07.10.2025	08.10.2025	276	198	49	17	15	CLOUDY/CALM
18.10.2025	19.10.2025	254	187	39	15	12	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 2000		600	300	-	120	120	

SUBSTATION BBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
07.10.2025	08.10.2025	249	163	41	15	12	CLOUDY/CALM
19.10.2025	20.10.2025	271	193	44	17	15	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 2000		600	300	-	120	120	

PREMISES OF SUB AREA OFFICE BBOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
07.10.2025	08.10.2025	228	146	34	15	11	CLOUDY/CALM
19.10.2025	20.10.2025	244	156	33	13	10	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 2000		600	300	-	120	120	

FILTER PLANT COLONY BBOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	No ₂	So ₂		
FROM	TO	5	2	6	10		
06.10.2025	07.10.2025	54	19	8	BDL		RAINY/CALM
07.10.2025	08.10.2025	82	26	10	BDL		CLOUDY/CALM
12.10.2025	13.10.2025	73	21	8	BDL		CLOUDY/CALM
13.10.2025	14.10.2025	80	24	9	BDL		CLOUDY/CALM
20.10.2025	21.10.2025	77	23	8	BDL		CLOUDY/CALM
21.10.2025	22.10.2025	86	29	9	BDL		CLOUDY/CALM
26.10.2025	27.10.2025	70	25	7	BDL		CLOUDY/CALM
27.10.2025	28.10.2025	83	30	8	BDL		CLOUDY/CALM
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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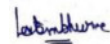
FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24)		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

BALLARPUR OC EXPN CHP				BBOF1
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
18.10.2025	19.10.2025	321	242	CLOUDY/CALM

BALLARPUR OC RAILWAY SIDING				BBOF2
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
18.10.2025	19.10.2025	346	251	CLOUDY/CALM

BALLARPUR OC WEIGH BRIDGE				BBOF3
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
18.10.2025	19.10.2025	355	267	CLOUDY/CALM

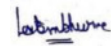


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-25 TO 15-11-25

MINE WATER DISCHARGE: BBOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.10.2025	7.23	26	40	BDL
19.10.2025	7.40	36	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP: BBUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'25	11.10.2025	70.3	65.8
OCT'25	27.10.2025	67.6	62.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY BALLARPUR UG: BBUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'25	11.10.2025	44.6	41.9
OCT'25	27.10.2025	44.4	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


Yogesh Pidurkar
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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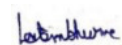
TEST REPORT NO.	RIN/TR/OCT-25/42	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

MANAGER OFFICE- BALLARPUR UG		BBUA1					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
07.10.2025	08.10.2025	276	198	49	17	15	CLOUDY/CALM
18.10.2025	19.10.2025	254	187	39	15	12	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SUBSTATION		BBOA2					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
07.10.2025	08.10.2025	249	163	41	15	12	CLOUDY/CALM
19.10.2025	20.10.2025	271	193	44	17	15	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

PREMISES OF SUB AREA OFFICE		BBOA3					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
07.10.2025	08.10.2025	228	146	34	15	11	CLOUDY/CALM
19.10.2025	20.10.2025	244	156	33	13	10	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

FILTER PLANT COLONY			BBUA4			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	2	6	10	
06.10.2025	07.10.2025	54	19	8	BDL	RAINY/CALM
07.10.2025	08.10.2025	82	26	10	BDL	CLOUDY/CALM
12.10.2025	13.10.2025	73	21	8	BDL	CLOUDY/CALM
13.10.2025	14.10.2025	80	24	9	BDL	CLOUDY/CALM
20.10.2025	21.10.2025	77	23	8	BDL	CLOUDY/CALM
21.10.2025	22.10.2025	86	29	9	BDL	CLOUDY/CALM
26.10.2025	27.10.2025	70	25	7	BDL	CLOUDY/CALM
27.10.2025	28.10.2025	83	30	8	BDL	CLOUDY/CALM
NAAQS, 2009		100	60	80	80	

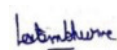


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-25 TO 15-11-25

MINE WATER DISCHARGE:		BBUW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.10.2025	7.71	28	44	BDL
19.10.2025	7.31	30	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE: BBUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11.10.2025	71.4	68.3
OCT'25	27.10.2025	68.4	66.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: BBUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11.10.2025	44.6	41.9
OCT'25	27.10.2025	44.4	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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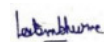
TEST REPORT NO.	RIN/TR/OCT-25/43	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

MANAGER OFFICE BGDO1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No _x	So _x	
FROM	TO	5	5	2	6	10	
09.10.2025	10.10.2025	266	185	42	16	12	CLOUDY/CALM
23.10.2025	24.10.2025	241	169	37	14	10	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

MUTRA VILLAGE BGDO2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	No _x	So _x		
FROM	TO	5	2	6	10		
06.10.2025	07.10.2025	54	18	7	BDL		RAINY/CALM
07.10.2025	08.10.2025	69	22	8	BDL		CLOUDY/CALM
12.10.2025	13.10.2025	85	29	10	BDL		CLOUDY/CALM
13.10.2025	14.10.2025	77	24	9	BDL		CLOUDY/CALM
20.10.2025	21.10.2025	86	29	10	BDL		CLOUDY/CALM
21.10.2025	22.10.2025	73	22	9	BDL		CLOUDY/CALM
26.10.2025	27.10.2025	79	27	8	BDL		CLOUDY/CALM
27.10.2025	28.10.2025	70	19	7	BDL		CLOUDY/CALM
NAAQS, 2009		100	60	80	80		

GOYEGAON VILLAGE BGDO3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	No _x	So _x		
FROM	TO	5	2	6	10		
06.10.2025	07.10.2025	60	22	7	BDL		RAINY/CALM
07.10.2025	08.10.2025	79	28	9	BDL		CLOUDY/CALM
12.10.2025	13.10.2025	84	31	10	BDL		CLOUDY/CALM
13.10.2025	14.10.2025	69	24	8	BDL		CLOUDY/CALM
20.10.2025	21.10.2025	74	26	8	BDL		CLOUDY/CALM
21.10.2025	22.10.2025	85	30	9	BDL		CLOUDY/CALM
26.10.2025	27.10.2025	70	23	7	BDL		CLOUDY/CALM
27.10.2025	28.10.2025	77	28	8	BDL		CLOUDY/CALM
NAAQS, 2009		100	60	80	80		

RAILWAY SIDDING BGDO4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No _x	So _x	
FROM	TO	5	5	2	6	10	
09.10.2025	10.10.2025	298	203	51	18	15	CLOUDY/CALM
23.10.2025	24.10.2025	279	192	48	16	14	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	



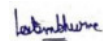
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24)		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

WEIGH BRIDGE BGDOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
23.10.2025	24.10.2025	333	208	CLOUDY/CALM
CHP BGDOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
23.10.2025	24.10.2025	328	218	CLOUDY/CALM



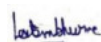
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C, O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-25 TO 15-11-25

MINE WATER DISCHARGE: BGDW1		ANALYSIS RESULTS		
DATE OF SAMPLE COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09.10.2025	7.81	24	40	BDL
24.10.2025	7.66	26	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(WORKSHOP) DISCHARGE: BGDW2		ANALYSIS RESULTS		
DATE OF SAMPLE COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09.10.2025	8.21	26	40	BDL
24.10.2025	8.36	21	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

MANAGER OFFICE:		BGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'25	11.10.2025	53.7	49.3
OCT'25	27.10.2025	58.8	53.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

MUTHRA VILLAGE :		BGON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'25	11.10.2025	44.8	40.2
OCT'25	27.10.2025	44.7	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

NEW DHOPTALA OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/45	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

SAM OFFICE- DHOPTALA SUB AREA BND0A1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂
07.10.2025	08.10.2025	278	186	53	16	13
21.10.2025	22.10.2025	257	168	38	12	10
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120

MANAGER OFFICE-DHOPTALA OC BND0A2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂
08.10.2025	09.10.2025	297	206	51	17	15
21.10.2025	22.10.2025	276	190	39	14	11
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120

SASTI COLONY BSUA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂	
08.10.2025	09.10.2025	75	21	9	BDL	CLOUDY/CALM
09.10.2025	10.10.2025	81	30	10	BDL	CLOUDY/CALM
14.10.2025	15.10.2025	77	23	9	BDL	CLOUDY/CALM
17.10.2025	18.10.2025	86	28	10	BDL	CLOUDY/CALM
22.10.2025	23.10.2025	80	24	8	BDL	CLOUDY/CALM
23.10.2025	24.10.2025	72	20	7	BDL	CLOUDY/CALM
28.10.2025	29.10.2025	78	22	8	BDL	CLOUDY/CALM
29.10.2025	30.10.2025	84	27	9	BDL	CLOUDY/CALM
NAAQS, 2009		100	60	80	80	

MUTHRA VILLAGE BGDO2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂	
06.10.2025	07.10.2025	54	18	7	BDL	RAINY/CALM
07.10.2025	08.10.2025	69	22	8	BDL	CLOUDY/CALM
12.10.2025	13.10.2025	85	29	10	BDL	CLOUDY/CALM
13.10.2025	14.10.2025	77	24	9	BDL	CLOUDY/CALM
20.10.2025	21.10.2025	86	29	10	BDL	CLOUDY/CALM
21.10.2025	22.10.2025	73	22	9	BDL	CLOUDY/CALM
26.10.2025	27.10.2025	79	27	8	BDL	CLOUDY/CALM
27.10.2025	28.10.2025	70	19	7	BDL	CLOUDY/CALM
NAAQS, 2009		100	60	80	80	

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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24)	
SAMPLE DESCRIPTION	Air sample(Fugitive)	
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

WEIGH BRIDGE		BNDOF1		ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
		SPM	PM ₁₀	
FROM	TO	5	5	
22.10.2025	23.10.2025	348	247	CLOUDY/CALM

CHP/Coal Mine Point				BNDOF2
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
19.10.2025	20.10.2025	369	257	CLOUDY/CALM



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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-25 TO 15-11-25

MINE WATER DISCHARGE: BNDOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.10.2025	7.78	42	48	BDL
19.10.2025	7.89	38	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10


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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP: BNDON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11.10.2025	68.5	64.8
OCT'25	27.10.2025	67.6	63.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SASTI COLONY: BSUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11.10.2025	44.9	42.8
OCT'25	27.10.2025	45.7	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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BALLARPUR AREA

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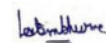
TEST REPORT NO.	RIN/TR/OCT-25/47	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

MINE OFFICE BP2OA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
14.10.2025	15.10.2025	266	179	37	16	12	CLOUDY/CALM
30.10.2025	31.10.2025	284	198	41	18	13	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SUBSTATION BP2OA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
14.10.2025	15.10.2025	286	199	52	17	14	CLOUDY/CALM
30.10.2025	31.10.2025	261	173	45	14	10	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SAKHARI VILLAGE BP2OA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08.10.2025	09.10.2025	67	22	9	BDL		CLOUDY/CALM
09.10.2025	10.10.2025	83	31	10	BDL		CLOUDY/CALM
14.10.2025	15.10.2025	72	25	9	BDL		CLOUDY/CALM
17.10.2025	18.10.2025	75	24	8	BDL		CLOUDY/CALM
22.10.2025	23.10.2025	80	30	9	BDL		CLOUDY/CALM
23.10.2025	24.10.2025	72	23	7	BDL		CLOUDY/CALM
28.10.2025	29.10.2025	83	32	9	BDL		CLOUDY/CALM
29.10.2025	30.10.2025	77	25	8	BDL		CLOUDY/CALM
NAAQS, 2009		100	60	80	80		

WORKSHOP PAUNI OC BPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
14.10.2025	15.10.2025	254	176	44	15	12	CLOUDY/CALM
30.10.2025	31.10.2025	270	192	49	16	14	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24)		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25	

WEIGH BRIDGE BND0F1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
22.10.2025	23.10.2025	379	266	CLOUDY/CALM

CHP BND0F2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
21.10.2025	22.10.2025	387	264	CLOUDY/CALM



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: BP2OW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09.10.2025	7.98	48	52	BDL
22.10.2025	7.90	24	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25-09- 2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: BP2OW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09.10.2025	8.31	28	40	BDL
22.10.2025	8.32	28	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

MANAGER OFFICE:		BPON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11.10.2025	50.3	47.1
OCT'25	27.10.2025	58.4	55.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SAKHARI VILLAGE :		BPON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11.10.2025	45.3	42.1
OCT'25	27.10.2025	45.6	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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JARIPATKA, NAGPUR, PIN – 440 014

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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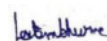
TEST REPORT NO.	RIN/TR/OCT-25/48	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

SAM OFFICE-SASTI OC BSOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08.10.2025	09.10.2025	255	163	41	13	11	CLOUDY/CALM
21.10.2025	22.10.2025	273	195	44	14	10	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

AREA STORE BSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08.10.2025	09.10.2025	279	188	43	15	11	CLOUDY/CALM
21.10.2025	22.10.2025	257	177	39	12	10	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

GOURI COLONY FILTER PLANT BSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08.10.2025	09.10.2025	76	25	9	BDL		CLOUDY/CALM
09.10.2025	10.10.2025	86	28	10	BDL		CLOUDY/CALM
14.10.2025	15.10.2025	71	20	8	BDL		CLOUDY/CALM
17.10.2025	18.10.2025	85	33	10	BDL		CLOUDY/CALM
22.10.2025	23.10.2025	69	19	9	BDL		CLOUDY/CALM
23.10.2025	24.10.2025	78	24	8	BDL		CLOUDY/CALM
28.10.2025	29.10.2025	82	28	10	BDL		CLOUDY/CALM
29.10.2025	30.10.2025	71	22	7	BDL		CLOUDY/CALM
NAAQS, 2009		100	60	80	80		

SASTI VILLAGE BSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08.10.2025	09.10.2025	76	24	9	BDL		CLOUDY/CALM
09.10.2025	10.10.2025	84	29	10	BDL		CLOUDY/CALM
14.10.2025	15.10.2025	79	27	9	BDL		CLOUDY/CALM
17.10.2025	18.10.2025	83	31	9	BDL		CLOUDY/CALM
22.10.2025	23.10.2025	72	21	8	BDL		CLOUDY/CALM
23.10.2025	24.10.2025	80	29	9	BDL		CLOUDY/CALM
28.10.2025	29.10.2025	77	26	8	BDL		CLOUDY/CALM
29.10.2025	30.10.2025	71	22	7	BDL		CLOUDY/CALM
NAAQS, 2009		100	60	80	80		



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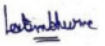
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance document		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

WEIGH BRIDGE				BSOF1		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS		24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM				
FROM	TO	5	5			
21.10.2025	22.10.2025	356	244			CLOUDY/CALM

MAIN CHP			BSOF2	
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
19.10.2025	20.10.2025	374	261	CLOUDY/CALM


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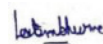
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-25 TO 15-11-25

MINE WATER DISCHARGE:		BSOW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.10.2025	8.12	30	44	BDL
21.10.2025	8.17	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE:		BSOW2		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.10.2025	8.34	24	40	BDL
21.10.2025	8.40	26	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)TREATED:		BSOW3	
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS		
	TSS (in mg/l)	BOD(in mg/l)	
DETECTION LIMIT	10	2	
08.10.2025	28	16	
21.10.2025	30	12	
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP:		BSON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'25	11.10.2025	70.3	69.2
OCT'25	27.10.2025	67.7	63.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES,2000		75	70

GOURI COLONY:		BSON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'25	11.10.2025	44.2	40.7
OCT'25	27.10.2025	43.8	41.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES,2000		55	45



Yogesh Pidurkar
Reviewed by



Amol Kamble
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ENVIRONMENTAL MONITORING REPORT

SASTI UG

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2025

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014

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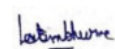
Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/OCT-25/49		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)				
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN : LQR 47	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25	

SAM OFFICE-DHOPTALA SUB AREA BNDOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
07.10.2025	08.10.2025	278	186	53	16	13	CLOUDY/CALM
21.10.2025	22.10.2025	257	168	38	12	10	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

MANAGER OFFICE-DHOPTALA OC BNDOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
08.10.2025	09.10.2025	297	206	51	17	15	CLOUDY/CALM
21.10.2025	22.10.2025	276	190	39	14	11	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SASTI COLONY BSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	No ₂	So ₂		
FROM	TO	5	2	6	10		
08.10.2025	09.10.2025	75	21	9	BDL	CLOUDY/CALM	
09.10.2025	10.10.2025	81	30	10	BDL	CLOUDY/CALM	
14.10.2025	15.10.2025	77	23	9	BDL	CLOUDY/CALM	
17.10.2025	18.10.2025	86	28	10	BDL	CLOUDY/CALM	
22.10.2025	23.10.2025	80	24	8	BDL	CLOUDY/CALM	
23.10.2025	24.10.2025	72	20	7	BDL	CLOUDY/CALM	
28.10.2025	29.10.2025	78	22	8	BDL	CLOUDY/CALM	
29.10.2025	30.10.2025	84	27	9	BDL	CLOUDY/CALM	
NAAQS, 2009		100	60	80	80		

SASTI VILLAGE BSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	No ₂	So ₂		
FROM	TO	5	2	6	10		
08.10.2025	09.10.2025	76	24	9	BDL	CLOUDY/CALM	
09.10.2025	10.10.2025	84	29	10	BDL	CLOUDY/CALM	
14.10.2025	15.10.2025	79	27	9	BDL	CLOUDY/CALM	
17.10.2025	18.10.2025	83	31	9	BDL	CLOUDY/CALM	
22.10.2025	23.10.2025	72	21	8	BDL	CLOUDY/CALM	
23.10.2025	24.10.2025	80	29	9	BDL	CLOUDY/CALM	
28.10.2025	29.10.2025	77	26	8	BDL	CLOUDY/CALM	
29.10.2025	30.10.2025	71	22	7	BDL	CLOUDY/CALM	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

SASTI COLONY: BSUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11.10.2025	44.9	42.8
OCT'25	27.10.2025	45.7	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Yogesh Pidurkar
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ENVIRONMENTAL MONITORING REPORT

BHATADI OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2025

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/31	DATE OF ISSUE	25-11-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/10/25 TO 15/11/25

BHATADI SECURITY POST CBOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
05-10-2025	06-10-2025	398	166	45	32	24
24-10-2025	25-10-2025	387	159	41	30	21
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120
ENVIRONMENT CONDITIONS (Sky/Wind)						
Rainy sky/Calm						
Rainy sky/Light Breeze						

BHATADI MANAGER OFFICE CBOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
10-10-2025	11-10-2025	372	165	40	28	20
24-10-2025	25-10-2025	358	152	34	27	19
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120
ENVIRONMENT CONDITIONS (Sky/Wind)						
Clear Sky/Calm						
Rainy sky/Light Breeze						

BHATADI VILLAGE CBOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-10-2025	08-10-2025	75	22	19	16	Clear Sky/Calm
08-10-2025	09-10-2025	77	24	24	14	Clear Sky/Calm
13-10-2025	14-10-2025	83	27	26	17	Clear Sky/Calm
14-10-2025	15-10-2025	74	23	23	14	Clear Sky/Calm
21-10-2025	22-10-2025	86	28	27	18	Cloudy/Light Breeze
22-10-2025	23-10-2025	80	25	22	14	Cloudy/Light Breeze
28-10-2025	29-10-2025	72	22	25	12	Rainy sky/Calm
29-10-2025	30-10-2025	70	20	24	15	Rainy sky/Light Breeze
NAAQS, 2009		100	60	80	80	

VADHOLI VILLAGE CBOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-10-2025	08-10-2025	74	21	19	13	Clear Sky/Calm
08-10-2025	09-10-2025	77	23	21	12	Clear Sky/Calm
13-10-2025	14-10-2025	73	20	24	19	Clear Sky/Calm
14-10-2025	15-10-2025	83	26	23	14	Clear Sky/Calm
21-10-2025	22-10-2025	81	24	25	16	Cloudy/Light Breeze
22-10-2025	23-10-2025	73	21	19	11	Cloudy/Light Breeze
28-10-2025	29-10-2025	65	17	14	10	Rainy sky/Calm
29-10-2025	30-10-2025	70	19	18	12	Rainy sky/Light Breeze
NAAQS, 2009		100	60	80	80	

BHATADI COLONY CBOA5						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-10-2025	08-10-2025	75	24	17	12	Clear Sky/Calm
08-10-2025	09-10-2025	78	25	19	11	Clear Sky/Calm
13-10-2025	14-10-2025	74	27	21	15	Clear Sky/Calm
14-10-2025	15-10-2025	76	26	18	13	Clear Sky/Calm
21-10-2025	22-10-2025	80	31	28	21	Cloudy/Light Breeze
22-10-2025	23-10-2025	84	29	25	16	Cloudy/Light Breeze
28-10-2025	29-10-2025	68	18	17	10	Rainy sky/Calm
29-10-2025	30-10-2025	72	23	19	12	Rainy sky/Light Breeze
NAAQS, 2009		100	60	80	80	


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16/10/25 TO 15/11/25	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
13-10-2025	14-10-2025	493	251	Clear sky/Light Breeze

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
09-10-2025	10-10-2025	436	225	Clear sky/Light Breeze

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
14-10-2025	15-10-2025	482	244	Clear sky/Light Breeze



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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
SAMPLE DESCRIPTION	Water sample				
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)				
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :			16/10/25 TO 15/11/25

MINE WATER DISCHARGE: CBOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10.10.2025	7.50	30	24	BDL
24.10.2025	7.56	36	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: CBOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10.10.2025	7.78	22	24	BDL
24.10.2025	7.85	24	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)TREATED: CBOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
10.10.2025	26	4.2
24.10.2025	22	3.0
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP: CBON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11-10-2025	67.5	64.6
OCT'25	27-10-2025	69.4	67.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: CBON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11-10-2025	44.4	42.8
OCT'25	27-10-2025	43.1	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

CRC UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/32	DATE OF ISSUE	25-11-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/10/25 TO 15/11/25

MANAGER OFFICE MAHAKALI UG CMKUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-10-2025	11-10-2025	352	133	41	31	21	Clear Sky/Calm
25-10-2025	26-10-2025	339	127	36	27	19	Rainy sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

CRC SUBSTATION/ FILTER PLANT CCRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-10-2025	04-10-2025	357	137	36	25	20	Clear sky/Light Breeze
18-10-2025	19-10-2025	345	130	33	22	18	Clear Sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

JATWARA MILK SCHEME CCRUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-10-2025	04-10-2025	341	129	28	22	15	Clear sky/Light Breeze
18-10-2025	19-10-2025	331	127	36	24	18	Clear Sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

COLONY (MAHAKALI UG) CMKUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06-10-2025	07-10-2025	63	18	18	10	Rainy sky/Light Breeze	
07-10-2025	08-10-2025	68	20	21	12	Clear Sky/Calm	
12-10-2025	13-10-2025	76	25	24	14	Clear sky/Light Breeze	
13-10-2025	14-10-2025	78	24	22	13	Clear sky/Calm	
20-10-2025	21-10-2025	80	26	26	17	Cloudy/Light Breeze	
21-10-2025	22-10-2025	77	29	25	15	Cloudy/Light Breeze	
26-10-2025	27-10-2025	69	25	20	10	Rainy sky/Calm	
27-10-2025	28-10-2025	67	23	22	12	Rainy sky/Light Breeze	
NAAQS, 2009		100	60	80	80		


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP		CCRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11-10-2025	69.3	65.7
OCT'25	27-10-2025	67.5	66.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MKC)		CCRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11-10-2025	46.7	44.2
OCT'25	27-10-2025	43.1	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

DRC UG

CHANDRAPUR AREA

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OCTOBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/33	DATE OF ISSUE	25-11-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/10/25 TO 15/11/25

PIT OFFICE-DRC- III UG CDRUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
04-10-2025	05-10-2025	341	117	27	22	18
19-10-2025	20-10-2025	360	125	33	26	21
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120

PIT OFFICE DRC-IV CDRUA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
04-10-2025	05-10-2025	337	115	31	20	16
19-10-2025	20-10-2025	358	128	36	25	21
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120

DRC- V COLONY CDRUA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-10-2025	07-10-2025	67	16	19	12	Rainy sky/Light Breeze
07-10-2025	08-10-2025	75	23	23	16	Clear Sky/Calm
12-10-2025	13-10-2025	77	26	21	14	Clear sky/Light Breeze
13-10-2025	14-10-2025	74	23	22	13	Clear sky/Calm
20-10-2025	21-10-2025	80	28	25	18	Cloudy/Light Breeze
21-10-2025	22-10-2025	82	26	23	16	Cloudy/Light Breeze
26-10-2025	27-10-2025	71	20	18	10	Rainy sky/Calm
27-10-2025	28-10-2025	66	19	20	12	Rainy sky/Light Breeze
NAAQS, 2009		100	60	80	80	

NEHRU NAGAR CDRUA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-10-2025	07-10-2025	68	23	18	12	Rainy sky/Light Breeze
07-10-2025	08-10-2025	71	25	20	14	Clear Sky/Calm
12-10-2025	13-10-2025	73	22	22	15	Clear sky/Light Breeze
13-10-2025	14-10-2025	77	26	24	18	Clear sky/Calm
20-10-2025	21-10-2025	80	24	26	19	Cloudy/Light Breeze
21-10-2025	22-10-2025	78	27	25	17	Cloudy/Light Breeze
26-10-2025	27-10-2025	63	20	19	12	Rainy sky/Calm
27-10-2025	28-10-2025	65	23	21	14	Rainy sky/Light Breeze
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24)		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/10/25 TO 15/11/25

COAL BUNKER		CDUF1		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
08-10-2025	09-10-2025	418	208	Clear sky/Light Breeze



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/10/25 TO 15/11/25

MINE WATER DISCHARGE:		CDRUW1			
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS				
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)	
DETECTION LIMIT	2	10	4	2	
04.10.2025	7.28	23	24	BDL	
19.10.2025	7.54	29	12	BDL	
STANDARDS FOR COAL MINE, GSR 742E, dt. 25- 09-2000	5.5 - 9.0	100	250	10	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE: CDRUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11-10-2025	69.9	66.3
OCT'25	27-10-2025	68.7	66.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DURGAPUR COLONY: CDRUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11-10-2025	45.6	44.4
OCT'25	27-10-2025	44.2	42.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

DURGAPUR OC

CHANDRAPUR AREA

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OCTOBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/34	DATE OF ISSUE	25-11-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/10/25 TO 15/11/25

MANAGER OFFICE-SECTOR V CDOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-10-2025	05-10-2025	379	146	41	27	19	Rainy sky/Calm
19-10-2025	20-10-2025	390	154	46	30	22	Clear Sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

DURGAPUR VILLAGE CDOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
07-10-2025	08-10-2025	74	21	24	16	Clear Sky/Calm	
08-10-2025	09-10-2025	84	29	25	17	Clear Sky/Calm	
13-10-2025	14-10-2025	81	26	29	19	Clear Sky/Calm	
14-10-2025	15-10-2025	75	25	24	14	Clear Sky/Calm	
21-10-2025	22-10-2025	73	24	23	13	Cloudy/Light Breeze	
22-10-2025	23-10-2025	78	27	26	15	Cloudy/Light Breeze	
28-10-2025	29-10-2025	69	19	22	12	Rainy sky/Calm	
29-10-2025	30-10-2025	71	22	21	11	Rainy sky/Light Breeze	
NAAQS, 2009		100	60	80	80		

MANAGER OFFICE Q-IV CDOA3 (Durgapur OC)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05-10-2025	06-10-2025	375	150	42	33	25	Rainy sky/Calm
24-10-2025	25-10-2025	362	144	38	29	21	Rainy sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

FILTER PLANT DOC/POC COLONY CDOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
07-10-2025	08-10-2025	84	32	26	19	Clear Sky/Calm	
08-10-2025	09-10-2025	78	24	20	15	Clear Sky/Calm	
13-10-2025	14-10-2025	80	27	36	23	Clear Sky/Calm	
14-10-2025	15-10-2025	85	30	32	21	Clear Sky/Calm	
21-10-2025	22-10-2025	76	23	24	18	Cloudy/Light Breeze	
22-10-2025	23-10-2025	77	26	19	12	Cloudy/Light Breeze	
28-10-2025	29-10-2025	73	21	26	16	Rainy sky/Calm	
29-10-2025	30-10-2025	75	24	32	23	Rainy sky/Light Breeze	
NAAQS, 2009		100	60	80	80		


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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
<u>FUGITIVE DUST MONITORING</u>					
TEST REQUIRED		SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24)			
SAMPLE DESCRIPTION		Air sample(Fugitive)			
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/10/25 TO 15/11/25	
CHP CDGOF1					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)	
		SPM	PM ₁₀		
FROM	TO	5	5		
06-10-2025	07-10-2025	462	239	Rainy sky/Calm	
CHECK POST / AYYAPA MANDIR CDGOF2					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)	
		SPM	PM ₁₀		
FROM	TO	5	5		
05-10-2025	06-10-2025	427	226	Rainy sky/Light Breeze	
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/10/25 TO 15/11/25

MINE WATER DISCHARGE Q-II CDOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05.10.2025	7.59	33	20	BDL
24.10.2025	7.51	36	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(WORKSHOP): CDOW3				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05.10.2025	7.86	37	32	BDL
24.10.2025	7.81	29	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C, O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/10/25 TO 15/11/25

NAME OF LOCATION:		MINE WATER DISCHARGE Q-V					
SL. NO.	PARAMETER	TEST METHOD	DETECTION LIMIT	Standard for Discharge PARTA Schedule VI	Analysis result		Remarks
					05.10.2025	24.10.2025	
1	pH Value	IS 3025 Part-11 Electrometric Method	2	5.5 to 9.0	3.52	3.85	
2	TSS mg/l	IS 3025 Part-17 Gravimetric Method	10	100	35	39	
3	Oil & Grease mg/l	IS 3025 Part-39 Partition Gravimetric Method	2	10	2.9	3.3	
4	C.O.D mg/l	APHA,(24th Ed.) 5220C Closed Reflux Method	4	250	24	16	
5	Sulphate (as SO ₄ ⁻²) - mg/l	APHA (24th Ed.) 4500E Turbidimetric Method	2		273	290	
6	Chlorides (as Cl ⁻) - mg/l	IS 3025 Part-32 Argentometric Method	2		52	50	
7	TDS -mg/l	IS 3025 Part-16 Gravimetric Method: 2017	25		1986	2021	

NAME OF LOCATION:		WATER SAMPLE FROM ABANDONED POC QUARREY					
SL. NO.	PARAMETER	TEST METHOD	DETECTION LIMIT	Standard for Discharge PARTA Schedule VI	Analysis result		Remarks
					05.10.2025	24.10.2025	
1	pH Value	IS 3025 Part-11 Electrometric Method	2	5.5 to 9.0	4.12	3.96	
2	TSS mg/l	IS 3025 Part-17 Gravimetric Method	10	100	29	33	
3	Oil & Grease mg/l	IS 3025 Part-39 Partition Gravimetric Method	2	10	2.1	1.7	
4	C.O.D mg/l	APHA,(24th Ed.) 5220C Closed Reflux Method	4	250	16	12	
5	Sulphate (as SO ₄ ⁻²) - mg/l	APHA (24th Ed.) 4500E Turbidimetric Method	2		210	223	
6	Chlorides (as Cl ⁻) - mg/l	IS 3025 Part-32 Argentometric Method	2		36	40	
7	TDS -mg/l	IS 3025 Part-16 Gravimetric Method: 2017	25		1254	1297	


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP:		CDON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11-10-2025	68.6	64.2
OCT'25	27-10-2025	69.7	68.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DURGAPUR COLONY:		CDON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11-10-2025	45.6	44.4
OCT'25	27-10-2025	44.2	42.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

HLP-I & III UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/37	DATE OF ISSUE	25-11-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/10/25 TO 15/11/25

SUBSTATION HLC I UG CHUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03-10-2025	04-10-2025	380	152	37	25	20	Clear sky/Light Breeze
18-10-2025	19-10-2025	373	143	33	29	23	Clear Sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTober 2000		600	300	-	120	120	

PIT OFFICE - HLC-I INCLINE CHUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03-10-2025	04-10-2025	385	157	40	30	24	Clear sky/Light Breeze
18-10-2025	19-10-2025	369	146	37	27	21	Clear Sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTober 2000		600	300	-	120	120	

HLC-III COLONY CHUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08-10-2025	09-10-2025	75	23	20	17		Clear Sky/Calm
09-10-2025	10-10-2025	72	19	22	14		Clear sky/Light Breeze
14-10-2025	15-10-2025	74	21	24	16		Clear sky/Light Breeze
17-10-2025	18-10-2025	76	24	21	15		Clear sky/Calm
22-10-2025	23-10-2025	83	25	28	18		Cloudy/Light Breeze
23-10-2025	24-10-2025	85	27	26	20		Cloudy/Light Breeze
28-10-2025	29-10-2025	62	19	15	10		Rainy sky/Calm
29-10-2025	30-10-2025	67	23	22	12		Rainy sky/Light Breeze
NAAQS, 2009		100	60	80	80		

RAJIV GANDHI ENGG. COLLEGE CHUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08-10-2025	09-10-2025	76	25	26	19		Clear Sky/Calm
09-10-2025	10-10-2025	71	23	20	17		Clear sky/Light Breeze
14-10-2025	15-10-2025	79	27	23	15		Clear sky/Light Breeze
17-10-2025	18-10-2025	77	18	25	18		Clear sky/Calm
22-10-2025	23-10-2025	81	28	22	19		Cloudy/Light Breeze
23-10-2025	24-10-2025	78	26	21	16		Cloudy/Light Breeze
28-10-2025	29-10-2025	67	20	14	11		Rainy sky/Calm
29-10-2025	30-10-2025	73	21	18	12		Rainy sky/Light Breeze
NAAQS, 2009		100	60	80	80		



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/10/25 TO 15/11/25

MINE WATER DISCHARGE(HLP-III): CHUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03.10.2025	7.58	27	16	BDL
18.10.2025	7.71	32	12	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE(HLP-I): CHUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03.10.2025	7.65	35	28	BDL
18.10.2025	7.59	29	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE-I: CHUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11-10-2025	69.4	65.1
OCT'25	27-10-2025	69.5	68.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: CHUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11-10-2025	44.9	43.5
OCT'25	27-10-2025	43.8	41.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

HLP OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2025

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/OCT-25/35	DATE OF ISSUE	25-11-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES: 16/10/25 TO 15/11/25		

MANAGER OFFICE (NANDGAON UG) CNUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
10-10-2025	11-10-2025	348	149	38	28	21
24-10-2025	25-10-2025	335	131	31	22	16
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120
		ENVIRONMENT CONDITIONS (Sky/Wind)				
		Clear Sky/Calm				
		Rainy sky/Light Breeze				

MANAGER OFFICE(HLP OC) CHOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
10-10-2025	11-10-2025	409	179	49	36	24
25-10-2025	26-10-2025	387	149	36	30	20
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120
		ENVIRONMENT CONDITIONS (Sky/Wind)				
		Clear Sky/Calm				
		Rainy sky/Light Breeze				

MANA VILLAGE CMUA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-10-2025	09-10-2025	77	24	21	12	Clear Sky/Calm
09-10-2025	10-10-2025	75	22	22	16	Clear sky/Light Breeze
14-10-2025	15-10-2025	71	25	16	11	Clear sky/Light Breeze
17-10-2025	18-10-2025	76	22	19	13	Clear sky/Calm
22-10-2025	23-10-2025	79	27	20	13	Cloudy/Light Breeze
23-10-2025	24-10-2025	81	29	22	16	Cloudy/Light Breeze
28-10-2025	29-10-2025	65	19	17	10	Rainy sky/Calm
29-10-2025	30-10-2025	67	20	22	11	Rainy sky/Light Breeze
NAAQS, 2009		100	60	80	80	

COLONY (NANDGAON) CNUA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-10-2025	08-10-2025	79	27	22	12	Clear Sky/Calm
08-10-2025	09-10-2025	72	24	20	10	Clear Sky/Calm
13-10-2025	14-10-2025	78	26	23	14	Clear Sky/Calm
14-10-2025	15-10-2025	74	23	19	15	Clear Sky/Calm
21-10-2025	22-10-2025	83	28	23	14	Cloudy/Light Breeze
22-10-2025	23-10-2025	80	26	26	16	Cloudy/Light Breeze
28-10-2025	29-10-2025	67	21	19	11	Rainy sky/Calm
29-10-2025	30-10-2025	64	18	15	10	Rainy sky/Light Breeze
NAAQS, 2009		100	60	80	80	



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

MAIN CHP		CHLOF1	
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)	
		SPM	PM ₁₀
FROM	TO	5	5
09-10-2025	10-10-2025	456	225
		ENVIRONMENT CONDITIONS (Sky/Wind)	
		Clear sky/Light Breeze	

RAILWAY SIDING		CHLOF2	
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)	
		SPM	PM ₁₀
FROM	TO	5	5
10-10-2025	11-10-2025	471	256
		ENVIRONMENT CONDITIONS (Sky/Wind)	
		Clear Sky/Calm	



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/10/25 TO 15/11/25

MINE WATER DISCHARGE: CHOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10.10.2025	3.56	58	20	BDL
25.10.2025	3.71	57	12	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP		CHON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'25	11-10-2025	68.6	66.5
OCT'25	27-10-2025	67.3	66.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY HLP:		CHON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'25	11-10-2025	45.9	44.1
OCT'25	27-10-2025	44.7	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

MAHAKALI UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2025

Environment Laboratory
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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/OCT-25/37		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)				
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :		LQR 47	
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16/10/25 TO 15/11/25	

MANAGER OFFICE MAHAKALI UG CMKUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
10-10-2025	11-10-2025	352	133	41	31	21
25-10-2025	26-10-2025	339	127	36	27	19
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120

CRC SUBSTATION/ FILTER PLANT CCRUA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
03-10-2025	04-10-2025	357	137	36	25	20
18-10-2025	19-10-2025	345	130	33	22	18
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120

JATWARA MILK SCHEME CCRUA3(C.R.C-U/G)						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
03-10-2025	04-10-2025	341	129	28	22	15
18-10-2025	19-10-2025	331	127	36	24	18
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120

COLONY (MAHAKALI UG) CMKUA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
06-10-2025	07-10-2025	63	18	18	10	Rainy sky/Light Breeze
07-10-2025	08-10-2025	68	20	21	12	Clear Sky/Calm
12-10-2025	13-10-2025	76	25	24	14	Clear sky/Light Breeze
13-10-2025	14-10-2025	78	24	22	13	Clear sky/Calm
20-10-2025	21-10-2025	80	26	26	17	Cloudy/Light Breeze
21-10-2025	22-10-2025	77	29	25	15	Cloudy/Light Breeze
26-10-2025	27-10-2025	69	25	20	10	Rainy sky/Calm
27-10-2025	28-10-2025	67	23	22	12	Rainy sky/Light Breeze
NAAQS, 2009		100	60	80	80	



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24)		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/10/25 TO 15/11/25

COAL BUNKER CMKUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
11-10-2025	12-10-2025	415	210	Clear sky/Light Breeze



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SAMPLE DESCRIPTION	Water sample				
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)				
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :		16/10/25 TO 15/11/25	

MINE WATER DISCHARGE: CMKUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10.10.2025	7.41	32	24	BDL
25.10.2025	7.59	37	20	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE: CMKUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11-10-2025	66.4	64.8
OCT'25	27-10-2025	69.4	67.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MAHAKALI): CMKUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11-10-2025	46.7	44.2
OCT'25	27-10-2025	43.1	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

MANA UG

CHANDRAPUR AREA

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OCTOBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/38	DATE OF ISSUE	25-11-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16/10/25 TO 15/11/25	

MANAGER OFFICE CMUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
10-10-2025	11-10-2025	355	138	39	26	19
25-10-2025	26-10-2025	337	126	30	22	16
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTober 2000		600	300	-	120	120

SUBSTATION MANA INCLINE CMUA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
10-10-2025	11-10-2025	362	146	40	28	23
25-10-2025	26-10-2025	343	137	33	25	19
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTober 2000		600	300	-	120	120

COLONY (NANDGAON) CNUA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-10-2025	08-10-2025	79	27	22	12	Clear Sky/Calm
08-10-2025	09-10-2025	72	24	20	10	Clear Sky/Calm
13-10-2025	14-10-2025	78	26	23	14	Clear Sky/Calm
14-10-2025	15-10-2025	74	23	19	15	Clear Sky/Calm
21-10-2025	22-10-2025	83	28	23	14	Cloudy/Light Breeze
22-10-2025	23-10-2025	80	26	26	16	Cloudy/Light Breeze
28-10-2025	29-10-2025	67	21	19	11	Rainy sky/Calm
29-10-2025	30-10-2025	64	18	15	10	Rainy sky/Light Breeze
NAAQS, 2009		100	60	80	80	

MANA VILLAGE CMUA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-10-2025	09-10-2025	77	24	21	12	Clear Sky/Calm
09-10-2025	10-10-2025	75	22	22	16	Clear sky/Light Breeze
14-10-2025	15-10-2025	71	25	16	11	Clear sky/Light Breeze
17-10-2025	18-10-2025	76	22	19	13	Clear sky/Calm
22-10-2025	23-10-2025	79	27	20	13	Cloudy/Light Breeze
23-10-2025	24-10-2025	81	29	22	16	Cloudy/Light Breeze
28-10-2025	29-10-2025	65	19	17	10	Rainy sky/Calm
29-10-2025	30-10-2025	67	20	22	11	Rainy sky/Light Breeze
		100	60	80	80	


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE: CMUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'25	11-10-2025	57.1	55.5
OCT'25	27-10-2025	56.8	55.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(HLP OC): CHON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'25	11-10-2025	45.9	44.1
OCT'25	27-10-2025	44.7	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

NANDGAON UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2025

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/39	DATE OF ISSUE	25-11-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS 5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/10/25 TO 15/11/25

MANAGER OFFICE NANDGAON UG		CNUA1					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-10-2025	11-10-2025	348	149	38	28	21	Clear Sky/Calm
24-10-2025	25-10-2025	335	131	31	22	16	Rainy sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTober 2000		600	300	-	120	120	

SUBSTATION MANA INCLINE		CMUA2					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-10-2025	11-10-2025	362	146	40	28	23	Clear Sky/Calm
25-10-2025	26-10-2025	343	137	33	25	19	Rainy sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTober 2000		600	300	-	120	120	

MANA VILLAGE		CMUA4					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08-10-2025	09-10-2025	77	24	21	12		Clear Sky/Calm
09-10-2025	10-10-2025	75	22	22	16		Clear sky/Light Breeze
14-10-2025	15-10-2025	71	25	16	11		Clear sky/Light Breeze
17-10-2025	18-10-2025	76	22	19	13		Clear sky/Calm
22-10-2025	23-10-2025	79	27	20	13		Cloudy/Light Breeze
23-10-2025	24-10-2025	81	29	22	16		Cloudy/Light Breeze
28-10-2025	29-10-2025	65	19	17	10		Rainy sky/Calm
29-10-2025	30-10-2025	67	20	22	11		Rainy sky/Light Breeze
NAAQS, 2009		100	60	80	80		

COLONY (NANDGAON)		CNUA2					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
07-10-2025	08-10-2025	79	27	22	12		Clear Sky/Calm
08-10-2025	09-10-2025	72	24	20	10		Clear Sky/Calm
13-10-2025	14-10-2025	78	26	23	14		Clear Sky/Calm
14-10-2025	15-10-2025	74	23	19	15		Clear Sky/Calm
21-10-2025	22-10-2025	83	28	23	14		Cloudy/Light Breeze
22-10-2025	23-10-2025	80	26	26	16		Cloudy/Light Breeze
28-10-2025	29-10-2025	67	21	19	11		Rainy sky/Calm
29-10-2025	30-10-2025	64	18	15	10		Rainy sky/Light Breeze
NAAQS, 2009		100	60	80	80		


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/10/25 TO 15/11/25

MINE WATER DISCHARGE: CNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10.10.2025	7.41	28	20	BDL
24.10.2025	7.60	36	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE:		CNUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'25	11-10-2025	68.8	65.5
OCT'25	27-10-2025	68.1	67.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY HLP OC:		CHON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'25	11-10-2025	45.9	44.1
OCT'25	27-10-2025	44.7	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

PADMAPUR OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2025

Environment Laboratory
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/40	DATE OF ISSUE	25-11-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16/10/25 TO 15/11/25	

MANAGER OFFICE Q-IV/ CPOA1 (Padmapur)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05-10-2025	06-10-2025	346	139	40	29	23	Rainy sky/Calm
24-10-2025	25-10-2025	359	131	36	24	20	Rainy sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

MANAGER OFFICE Q-IV/ CDOA3 (Durgapur OC)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05-10-2025	06-10-2025	375	150	42	33	25	Rainy sky/Calm
24-10-2025	25-10-2025	362	144	38	29	21	Rainy sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

WARWAT VILLAGE CPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
05-10-2025	06-10-2025	79	25	22	15		Rainy sky/Calm
24-10-2025	25-10-2025	73	21	18	13		Rainy sky/Light Breeze
		100	60	80	80		

KITADI VILLAGE CPOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
06-10-2025	07-10-2025	66	19	17	11		Rainy sky/Light Breeze
07-10-2025	08-10-2025	74	24	21	13		Clear Sky/Calm
12-10-2025	13-10-2025	76	26	20	15		Clear sky/Light Breeze
13-10-2025	14-10-2025	78	20	22	17		Clear sky/Calm
20-10-2025	21-10-2025	80	26	22	16		Cloudy/Light Breeze
21-10-2025	22-10-2025	79	24	23	15		Cloudy/Light Breeze
26-10-2025	27-10-2025	70	20	17	10		Rainy sky/Calm
27-10-2025	28-10-2025	72	21	20	11		Rainy sky/Light Breeze
NAAQS, 2009		100	60	80	80		

VICHODA RAYATWARI VILLAGE CPOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
04-10-2025	05-10-2025	76	20	15	11		Rainy sky/Calm
19-10-2025	20-10-2025	84	25	20	14		Clear Sky/Calm
		100	60	80	80		


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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24)		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16/10/25 TO 15/11/25	

CHP/MGR LOADING POINT			CPRUF2	
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
08-10-2025	09-10-2025	471	255	Clear sky/Light Breeze


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP:		CPON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11-10-2025	67.6	64.3
OCT'25	27-10-2025	68.5	67.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DURGAPUR COLONY:		CDON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11-10-2025	45.6	44.4
OCT'25	27-10-2025	44.2	42.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

NEW MAJRI UG TO OC

MAJRI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/50	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

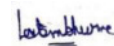
PATALA MAGAZINE MMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
05.10.2025	06.10.2025	288	176	42	16	13	CLEAR /MODERATE BREEZE
17.10.2025	18.10.2025	270	181	37	15	12	CLEAR /MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

MANAGER OFFICE UG TO OC MMUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
05.10.2025	06.10.2025	286	192	38	15	11	CLEAR /MODERATE BREEZE
17.10.2025	18.10.2025	245	158	37	14	10	CLEAR /MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

CONTRACTOR CAMP MMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
09.10.2025	10.10.2025	299	204	45	20	BDL	CLOUDY/LIGHT BREEZE
19.10.2025	20.10.2025	273	188	40	18	BDL	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SAWARLA VILLAGE MMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	No ₂	So ₂		
FROM	TO	5	2	6	10		
03.10.2025	04.10.2025	55	20	9	BDL		CLOUDY/LIGHT BREEZE
04.10.2025	05.10.2025	89	29	10	BDL		CLEAR/LIGHT BREEZE
10.10.2025	11.10.2025	83	27	9	BDL		CLEAR/LIGHT BREEZE
11.10.2025	12.10.2025	71	26	8	BDL		CLOUDY/MODERATE BREEZE
20.10.2025	21.10.2025	61	22	8	BDL		CLOUDY/MODERATE BREEZE
21.10.2025	22.10.2025	86	28	10	BDL		CLEAR/LIGHT BREEZE
26.10.2025	27.10.2025	90	30	10	BDL		CLEAR/LIGHT BREEZE
27.10.2025	28.10.2025	75	27	9	BDL		CLOUDY/MODERATE BREEZE
NAAQS, 2009		100	60	80	80		

VISLON VILLAGE MMUA5						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.10.2025	04.10.2025	77	23	9	BDL	CLOUDY/LIGHT BREEZE
04.10.2025	05.10.2025	82	22	10	BDL	CLEAR/LIGHT BREEZE
10.10.2025	11.10.2025	89	28	10	BDL	CLEAR/LIGHT BREEZE
11.10.2025	12.10.2025	70	21	8	BDL	CLOUDY/MODERATE BREEZE
20.10.2025	21.10.2025	71	25	8	BDL	CLOUDY/MODERATE BREEZE
21.10.2025	22.10.2025	86	29	10	BDL	CLEAR/LIGHT BREEZE
26.10.2025	27.10.2025	81	27	9	BDL	CLEAR/LIGHT BREEZE
27.10.2025	28.10.2025	69	19	7	BDL	CLOUDY/MODERATE BREEZE
NAAQS, 2009		100	60	80	80	



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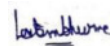
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

Railway Siding/Contractor Camp MJUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
30.10.2025	31.10.2025	312	209	CLOUDY / MODERATE BREEZE

WORKSHOP MJUF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
30.10.2025	31.10.2025	322	231	CLOUDY / MODERATE BREEZE



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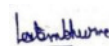
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: MMUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	7.68	28	44	BDL
29.10.2025	7.27	32	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: MMUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	7.66	26	36	BDL
29.10.2025	7.51	22	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: MMUW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
14.10.2025	28	14
30.10.2025	30	12
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

PIT OFFICE:		MMUN1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	12.10.2025	56.3	54.1
OCT'25	30.10.2025	57.8	56.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

KUCHNA COLONY		MMON2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	12.10.2025	45.9	43.7
OCT'25	30.10.2025	46.2	43.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

NEW MAJRI-II(A) OC

MAJRI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2025

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
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REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/51	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

NMOC SUBSTATION MMOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05.10.2025	05.10.2025	294	197	48	17	15	CLEAR /MODERATE BREEZE
17.10.2025	18.10.2025	244	148	38	15	12	CLEAR /MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

PATALA MAGAZINE MMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05.10.2025	06.10.2025	288	176	42	16	13	CLEAR /MODERATE BREEZE
17.10.2025	18.10.2025	270	181	37	15	12	CLEAR /MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

PRIMARY HEALTH CENTRE,MAJRI BASTI MMOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03.10.2025	04.10.2025	64	18	8	BDL		CLOUDY/LIGHT BREEZE
04.10.2025	05.10.2025	78	22	9	BDL		CLEAR/LIGHT BREEZE
10.10.2025	11.10.2025	81	28	10	BDL		CLEAR/LIGHT BREEZE
11.10.2025	12.10.2025	72	25	9	BDL		CLOUDY/MODERATE BREEZE
20.10.2025	21.10.2025	70	23	9	BDL		CLOUDY/MODERATE BREEZE
21.10.2025	22.10.2025	82	30	10	BDL		CLEAR/LIGHT BREEZE
26.10.2025	27.10.2025	88	32	11	BDL		CLEAR/LIGHT BREEZE
27.10.2025	28.10.2025	75	20	9	BDL		CLOUDY/MODERATE BREEZE
NAAQS, 2009		100	60	80	80		

KUCHANA COLONY MMOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03.10.2025	04.10.2025	68	19	9	BDL		CLOUDY/LIGHT BREEZE
04.10.2025	05.10.2025	82	29	10	BDL		CLEAR/LIGHT BREEZE
10.10.2025	11.10.2025	77	25	9	BDL		CLEAR/LIGHT BREEZE
11.10.2025	12.10.2025	69	18	8	BDL		CLOUDY/MODERATE BREEZE
20.10.2025	21.10.2025	66	17	8	BDL		CLOUDY/MODERATE BREEZE
21.10.2025	22.10.2025	84	27	10	BDL		CLEAR/LIGHT BREEZE
26.10.2025	27.10.2025	88	30	11	BDL		CLEAR/LIGHT BREEZE
27.10.2025	28.10.2025	73	24	9	BDL		CLOUDY/MODERATE BREEZE
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

RLY SIDING MOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
25.10.2025	26.10.2025	399	275	CLOUDY / LIGHT BREEZE

CHP MOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
25.10.2025	26.10.2025	386	280	CLOUDY / LIGHT BREEZE



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: MMOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	7.81	28	44	BDL
29.10.2025	7.36	24	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: MMOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	8.01	28	40	BDL
29.10.2025	7.30	26	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: MMUW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
14.10.2025	24	12
30.10.2025	26	14
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE	
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT	
SAMPLING METHOD	LSOP 6	

RAILWAY SIDING: MMON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	12.10.2025	68.5	66.2
OCT'25	30.10.2025	67.4	65.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

PRIMARY HEALTH CENTER MAJRI BASTI MMON3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	12.10.2025	44.6	43.4
OCT'25	30.10.2025	43.9	42.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

YEKONA I & II OC

MAJRI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2025

Environment Laboratory
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/OCT-25/52	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

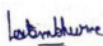
PIT OFFICE					MYOA1		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
09.10.2025	10.10.2025	235	146	41	18	15	CLOUDY/LIGHT BREEZE
19.10.2025	20.10.2025	258	174	48	21	17	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

PENZURNI VILLAGE MYOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
06.10.2025	07.10.2025	66	18	7	BDL	CLOUDY/MODERATE BREEZE
07.10.2025	08.10.2025	74	25	8	BDL	CLEAR/LIGHT BREEZE
13.10.2025	14.10.2025	70	22	7	BDL	CLOUDY/LIGHT BREEZE
14.10.2025	15.10.2025	79	28	11	BDL	CLEAR/LIGHT BREEZE
22.10.2025	23.10.2025	62	17	7	BDL	CLOUDY/MODERATE BREEZE
23.10.2025	24.10.2025	84	27	10	BDL	CLEAR/LIGHT BREEZE
28.10.2025	29.10.2025	73	24	9	BDL	CLOUDY/LIGHT BREEZE
29.10.2025	30.10.2025	77	27	10	BDL	CLOUDY/MODERATE BREEZE
NAAQS, 2009		100	60	80	80	

DANDGAON VILLAGE MYOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
06.10.2025	07.10.2025	79	22	8	BDL	CLOUDY/MODERATE BREEZE
07.10.2025	08.10.2025	88	27	10	BDL	CLEAR/LIGHT BREEZE
13.10.2025	14.10.2025	67	20	8	BDL	CLOUDY/LIGHT BREEZE
14.10.2025	15.10.2025	80	25	11	BDL	CLEAR/LIGHT BREEZE
22.10.2025	23.10.2025	69	19	8	BDL	CLOUDY/MODERATE BREEZE
23.10.2025	24.10.2025	73	21	9	BDL	CLEAR/LIGHT BREEZE
28.10.2025	29.10.2025	64	17	7	BDL	CLOUDY/LIGHT BREEZE
29.10.2025	30.10.2025	71	22	9	BDL	CLOUDY/MODERATE BREEZE
NAAQS, 2009		100	60	80	80	

HIWRA MAJRA VILLAGE MYOA5						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
06.10.2025	07.10.2025	76	21	7	BDL	CLOUDY/MODERATE BREEZE
07.10.2025	08.10.2025	84	29	9	BDL	CLEAR/LIGHT BREEZE
13.10.2025	14.10.2025	70	24	8	BDL	CLOUDY/LIGHT BREEZE
14.10.2025	15.10.2025	88	27	9	BDL	CLEAR/LIGHT BREEZE
22.10.2025	23.10.2025	71	23	9	BDL	CLOUDY/MODERATE BREEZE
23.10.2025	24.10.2025	83	29	10	BDL	CLEAR/LIGHT BREEZE
28.10.2025	29.10.2025	71	24	8	BDL	CLOUDY/LIGHT BREEZE
29.10.2025	30.10.2025	79	27	9	BDL	CLOUDY/MODERATE BREEZE
NAAQS, 2009		100	60	80	80	

CONTRACTOR CAMP				MYOA6			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05.10.2025	06.10.2025	229	131	37	17	15	CLOUDY/LIGHT BREEZE
17.10.2025	18.10.2025	247	156	42	21	18	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	



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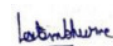
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

STOCK YARD 1			MYOF1	
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
18.10.2025	19.10.2025	379	267	CLOUDY / LIGHT BREEZE

STOCK YARD 2			MYOF2	
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
18.10.2025	19.10.2025	390	287	CLOUDY / LIGHT BREEZE



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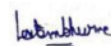
SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES: 16-10-25 TO 15-11-25

MINE WATER DISCHARGE: YEKONA I OC : MYOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	7.77	24	36	BDL
29.10.2025	7.62	22	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE: YEKONA II OC : MYOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	8.10	22	32	BDL
29.10.2025	7.75	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP : MYOW3				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	7.73	24	36	BDL
29.10.2025	7.50	26	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)TREATED: : MYOW4				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	TSS (in mg/l)		BOD(in mg/l)	
DETECTION LIMIT	10		2	
14.10.2025	26		12	
30.10.2025	24		14	
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100		30	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

PIT OFFICE		MYON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'25	12.10.2025	57.9	56.8
OCT'25	30.10.2025	58.9	55.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

YEKONA VILLAGE		MYON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'25	12.10.2025	44.8	43.7
OCT'25	30.10.2025	43.9	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

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NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/1	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

PROJECT MANAGER OFFICE NAUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03.10.2025	04.10.2025	350	194	49	38	19	CLOUDY/CALM
18.10.2025	19.10.2025	353	200	51	41	21	CLEAR / WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH MARember 2000		600	300	-	120	120	

AT PATHAKHAKHEDI G.P OFFICE NAUA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.10.2025	07.10.2025	74	35	27	BDL	CLOUDY / CALM
07.10.2025	08.10.2025	68	36	32	BDL	RAINY / WINDY
12.10.2025	13.10.2025	77	37	28	BDL	RAINY / WINDY
13.10.2025	14.10.2025	66	39	23	BDL	CLOUDY / CALM
20.10.2025	21.10.2025	80	31	21	BDL	CLOUDY / CALM
21.10.2025	22.10.2025	74	43	25	BDL	RAINY / WINDY
26.10.2025	27.10.2025	83	36	32	BDL	CLOUDY / LIGHT BREEZE
27.10.2025	28.10.2025	72	35	27	BDL	CLEAR / LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

COLONY WATER FILTER PLANT NSNU3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.10.2025	07.10.2025	78	40	27	BDL	CLOUDY / CALM
07.10.2025	08.10.2025	68	32	25	BDL	RAINY / WINDY
12.10.2025	13.10.2025	69	36	28	BDL	CLEAR / CALM
13.10.2025	14.10.2025	69	34	30	BDL	CLOUDY / CALM
20.10.2025	21.10.2025	84	43	23	BDL	CLOUDY / CALM
21.10.2025	22.10.2025	74	36	21	BDL	RAINY / CALM
26.10.2025	27.10.2025	75	30	25	BDL	RAINY / CALM
27.10.2025	28.10.2025	75	35	27	BDL	RAINY / WINDY
NAAQS, 2009		100	60	80	80	

KOTODI VILLAGE NSNU4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.10.2025	07.10.2025	71	32	22	BDL	CLOUDY / CALM
07.10.2025	08.10.2025	70	41	24	BDL	RAINY / WINDY
12.10.2025	13.10.2025	72	37	26	BDL	CLEAR / CALM
13.10.2025	14.10.2025	64	38	25	BDL	CLOUDY / CALM
20.10.2025	21.10.2025	77	30	25	BDL	CLOUDY / CALM
21.10.2025	22.10.2025	76	39	27	BDL	RAINY / CALM
26.10.2025	27.10.2025	78	41	24	BDL	RAINY / CALM
27.10.2025	28.10.2025	70	31	21	BDL	RAINY / WINDY
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

COAL STOCK YARD / WEIGH BRIDGE		NAUF1	
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)	
		SPM	PM ₁₀
FROM	TO	s	s
06.10.2025	07.10.2025	384	232
		ENVIRONMENT CONDITIONS (Sky/Wind)	
		CLEAR/CALM	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: NBOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	7.93	22	24	BDL
30.10.2025	7.97	28	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: NAUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	46.3	44.2
OCT'25	25.10.2025	56.3	52.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY (SAONER): NSNUN4		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	44.4	42.6
OCT'25	25.10.2025	46.6	44.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

KOTODI VILLAGE NAUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	43.1	41.6
OCT'25	25.10.2025	44.7	43.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

PATHAKAKHEDI GP OFFICE NAUN3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	42.8	40.3
OCT'25	25.10.2025	45.1	43.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT
Amalgamated of Kamptee Deep & Inder OC
NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/OCT-25/4		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-10-25 TO 15-11-25	

NEAR PIT NO.6 / MANAGER OFFICE NIOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10.10.2025	11.10.2025	361	201	46	40	18	CLEAR/LIGHT BREEZE
24.10.2025	25.10.2025	364	207	48	43	20	RAINY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

CMPDI TEKADI STORE NIOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
11.10.2025	12.10.2025	346	195	48	38	19	RAINY/WINDY
25.10.2025	26.10.2025	350	205	49	42	21	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

COLONY WATER TREATMENT PLANT NKCA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
11.10.2025	12.10.2025	351	198	50	36	19	RAINY/WINDY
25.10.2025	26.10.2025	357	204	52	39	21	RAINY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

JUNI KAMTEE VILLAGE NKCA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08.10.2025	09.10.2025	66	37	25	BDL		CLOUDY/LIGHT BREEZE
09.10.2025	10.10.2025	66	35	26	BDL		CLOUDY/LIGHT BREEZE
14.10.2025	15.10.2025	73	32	23	BDL		CLOUDY/LIGHT BREEZE
17.10.2025	18.10.2025	79	34	26	BDL		CLEAR / LIGHT BREEZE
22.10.2025	23.10.2025	82	36	23	BDL		CLEAR / LIGHT BREEZE
23.10.2025	24.10.2025	76	32	31	BDL		CLEAR / LIGHT BREEZE
28.10.2025	29.10.2025	71	33	31	BDL		CLEAR / CALM
29.10.2025	30.10.2025	84	38	27	BDL		CLEAR / LIGHT BREEZE
NAAQS, 2009		100	60	80	80		

G.P. OFFICE KANDRI VILLAGE NKCA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08.10.2025	09.10.2025	67	37	22	BDL		CLOUDY/LIGHT BREEZE
09.10.2025	10.10.2025	67	40	28	BDL		CLOUDY/LIGHT BREEZE
14.10.2025	15.10.2025	70	42	26	BDL		CLOUDY/LIGHT BREEZE
17.10.2025	18.10.2025	74	45	26	BDL		CLEAR / LIGHT BREEZE
22.10.2025	23.10.2025	65	35	24	BDL		CLEAR / LIGHT BREEZE
23.10.2025	24.10.2025	71	32	30	BDL		CLEAR / LIGHT BREEZE
28.10.2025	29.10.2025	73	34	28	BDL		CLEAR / CALM
29.10.2025	30.10.2025	68	30	29	BDL		CLEAR / LIGHT BREEZE
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

COAL STOCK YARD NIOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
10.10.2025	11.10.2025	393	244	CLOUDY / LIGHT BREEZE

CHP NIOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
10.10.2025	11.10.2025	399	245	CLOUDY / LIGHT BREEZE



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE DISCHARGE: NIOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	7.88	20	24	BDL
30.10.2025	7.81	22	20	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: NIOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	8.01	24	20	BDL
30.10.2025	8.04	18	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: NIOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
14.10.2025	32	14.4
30.10.2025	40	13.8
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

RC OFFICE: NION1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	44.8	41.3
OCT'25	25.10.2025	58.2	53.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CHP NKC1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	69.3	68.2
OCT'25	25.10.2025	69.7	66.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY KAMPTEE NKC2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	44.9	41.8
OCT'25	25.10.2025	48.4	44.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

JUNI KAMPTEE VILLAGE NKC3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	42.6	40.1
OCT'25	25.10.2025	45.7	43.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

BHANEGOAN OC

NAGPUR AREA

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OCTOBER 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/2	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

NEAR MANAGER OFFICE NBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05.10.2025	06.10.2025	351	199	50	40	17	RAINY/LIGHT BREEZE
24.10.2025	25.10.2025	355	205	52	42	19	RAINY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DEcember 2000		600	300	-	120	120	

BINA SANGAM TEMPLE NBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08.10.2025	09.10.2025	74	37	25	BDL		CLEAR / CALM
09.10.2025	10.10.2025	71	36	28	BDL		RAINY/WINDY
14.10.2025	15.10.2025	69	45	24	BDL		RAINY/WINDY
17.10.2025	18.10.2025	82	40	27	BDL		CLEAR / CALM
22.10.2025	23.10.2025	74	32	32	BDL		CLOUDY / LIGHT BREEZE
23.10.2025	24.10.2025	82	30	30	BDL		CLEAR / LIGHT BREEZE
28.10.2025	29.10.2025	73	41	30	BDL		CLEAR / CALM
29.10.2025	30.10.2025	84	32	28	BDL		CLOUDY / WINDY
NAAQS, 2009		100	60	80	80		

BINA VILLAGE NBOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08.10.2025	09.10.2025	73	34	23	BDL		CLEAR / CALM
09.10.2025	10.10.2025	66	43	28	BDL		RAINY/WINDY
14.10.2025	15.10.2025	71	33	27	BDL		RAINY/WINDY
17.10.2025	18.10.2025	77	42	28	BDL		CLEAR / CALM
22.10.2025	23.10.2025	82	32	23	BDL		CLOUDY / LIGHT BREEZE
23.10.2025	24.10.2025	76	39	27	BDL		CLEAR / LIGHT BREEZE
28.10.2025	29.10.2025	78	38	25	BDL		CLEAR / CALM
29.10.2025	30.10.2025	74	29	25	BDL		CLOUDY / WINDY
NAAQS, 2009		100	60	80	80		

DORLI VILLAGE NSOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
06.10.2025	07.10.2025	71	38	26	BDL		CLOUDY/LIGHT BREEZE
07.10.2025	08.10.2025	72	41	25	BDL		CLOUDY/LIGHT BREEZE
12.10.2025	13.10.2025	63	32	22	BDL		CLOUDY/LIGHT BREEZE
13.10.2025	14.10.2025	72	35	26	BDL		CLOUDY/LIGHT BREEZE
20.10.2025	21.10.2025	77	35	29	BDL		CLEAR / LIGHT BREEZE
21.10.2025	22.10.2025	78	38	27	BDL		CLEAR / MODERATE BREEZE
26.10.2025	27.10.2025	69	38	25	BDL		CLEAR / LIGHT BREEZE
27.10.2025	28.10.2025	78	36	29	BDL		CLEAR / LIGHT BREEZE
NAAQS, 2009		100	60	80	80		



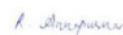
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

COAL STOCK YARD NR. WB1		NBOF1	
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)	
		SPM	PM ₁₀
FROM	TO	S	S
05.10.2025	06.10.2025	385	225
ENVIRONMENT CONDITIONS (Sky/Wind)			
CLEAR / CALM			



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: NBOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	7.93	22	20	BDL
30.10.2025	7.99	28	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: NBOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	7.96	24	28	BDL
30.10.2025	8.01	28	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: NBOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
14.10.2025	44	14.4
30.10.2025	48	16.2
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CONTRACTOR CAMP		NBON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	46.2	44.1
OCT'25	25.10.2025	56.9	53.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

BINA VILLAGE		NBON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	44.3	40.6
OCT'25	25.10.2025	46.5	44.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

DORLI VILLAGE		NSON3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	44.2	41.3
OCT'25	25.10.2025	44.7	42.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

SOHALI VILLAGE:		NSON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	43.2	40.8
OCT'25	25.10.2025	45.2	43.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

DUMRI RAILWAY SIDING

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/5	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

DUMRI KHURD NDRSA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
11.10.2025	12.10.2025	355	201	50	37	16	RAINY/WINDY
25.10.2025	26.10.2025	358	207	52	40	18	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

NANDGAON VILLAGE NDRSA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
08.10.2025	09.10.2025	76	38	26	BDL		CLOUDY/LIGHT BREEZE
09.10.2025	10.10.2025	70	34	24	BDL		CLOUDY/LIGHT BREEZE
14.10.2025	15.10.2025	65	30	25	BDL		CLOUDY/LIGHT BREEZE
17.10.2025	18.10.2025	75	32	28	BDL		CLEAR/LIGHT BREEZE
22.10.2025	23.10.2025	72	39	24	BDL		CLEAR/LIGHT BREEZE
23.10.2025	24.10.2025	78	37	26	BDL		CLEAR/LIGHT BREEZE
28.10.2025	29.10.2025	72	38	27	BDL		CLEAR/CALM
29.10.2025	30.10.2025	70	39	29	BDL		CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80		

KERDI VILLAGE NDRSA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
08.10.2025	09.10.2025	78	36	24	BDL		CLOUDY/LIGHT BREEZE
09.10.2025	10.10.2025	69	37	25	BDL		CLOUDY/LIGHT BREEZE
14.10.2025	15.10.2025	66	30	21	BDL		CLOUDY/LIGHT BREEZE
17.10.2025	18.10.2025	84	36	31	BDL		CLEAR/LIGHT BREEZE
22.10.2025	23.10.2025	80	38	29	BDL		CLEAR/LIGHT BREEZE
23.10.2025	24.10.2025	69	37	26	BDL		CLEAR/LIGHT BREEZE
28.10.2025	29.10.2025	76	38	23	BDL		CLEAR/CALM
29.10.2025	30.10.2025	74	40	28	BDL		CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80		

A. Anupurna

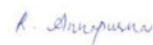
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

STATION MANAGER OFFICE				NDSF1	
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)	
		SPM	PM ₁₀		
FROM	TO	S	S		
10.10.2025	11.10.2025	395	237	CLOUDY / LIGHT BREEZE	



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

STATION MANAGER OFFICE		NKC1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'25	13.10.2025	45.3	42.8
OCT'25	25.10.2025	57.6	53.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

NANDGAON VILLAGE		NKC2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'25	13.10.2025	43.6	41.2
OCT'25	25.10.2025	44.8	42.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

GONDEGAON OC

NAGPUR AREA

WESTERN COALFIELDS LTD.

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OCTOBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/3	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

NEAR SUBSTATION / SAM OFFICE NGOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
		5	5	2	6	10
10.10.2025	11.10.2025	349	197	49	37	19
24.10.2025	25.10.2025	352	203	51	41	21
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH MARember 2000		600	300	-	120	120

GONDEGAON VILLAGE SCHOOL NGOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	ENVIRONMENT CONDITIONS (Sky/Wind)
		5	2	6	10	
06.10.2025	07.10.2025	67	39	24	BDL	CLOUDY/LIGHT BREEZE
07.10.2025	08.10.2025	71	31	26	BDL	CLOUDY/LIGHT BREEZE
12.10.2025	13.10.2025	69	40	23	BDL	CLOUDY/LIGHT BREEZE
13.10.2025	14.10.2025	76	40	28	BDL	CLOUDY/LIGHT BREEZE
20.10.2025	21.10.2025	73	35	28	BDL	CLEAR / LIGHT BREEZE
21.10.2025	22.10.2025	77	41	28	BDL	CLEAR / MODERATE BREEZE
26.10.2025	27.10.2025	75	39	26	BDL	CLEAR / LIGHT BREEZE
27.10.2025	28.10.2025	82	34	25	BDL	CLEAR / LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

COLONY GUEST HOUSE/FILTER PLANT NGOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
10.10.2025	11.10.2025	344	196	47	36	18
24.10.2025	25.10.2025	347	202	48	42	20
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH MARember 2000		600	300	-	120	120

GHATROHNA VILLAGE NGOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
06.10.2025	07.10.2025	77	33	24	BDL	CLOUDY/LIGHT BREEZE
07.10.2025	08.10.2025	81	38	26	BDL	CLOUDY/LIGHT BREEZE
12.10.2025	13.10.2025	72	37	28	BDL	CLOUDY/LIGHT BREEZE
13.10.2025	14.10.2025	72	38	25	BDL	CLOUDY/LIGHT BREEZE
20.10.2025	21.10.2025	83	38	28	BDL	CLEAR / LIGHT BREEZE
21.10.2025	22.10.2025	87	35	30	BDL	CLEAR / MODERATE BREEZE
26.10.2025	27.10.2025	78	34	31	BDL	CLEAR / LIGHT BREEZE
27.10.2025	28.10.2025	78	37	29	BDL	CLEAR / LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

CHP NGOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
10.10.2025	11.10.2025	397	238	CLOUDY/ LIGHT BREEZE

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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE WATER DISCHARGE NGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	7.91	26	28	BDL
30.10.2025	7.95	32	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE		NGOW2		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	7.98	22	24	BDL
30.10.2025	8.02	20	16	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP:		NGOW3	
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS		
	TSS (in mg/l)	BOD(in mg/l)	
DETECTION LIMIT	10	2	
14.10.2025	46	15.6	
30.10.2025	52	13.8	
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30	

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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP		NGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'25	13.10.2025	68.9	67.2
OCT'25	25.10.2025	69.9	66.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

GONDEGAON VILLAGE/COLONY		NGON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'25	13.10.2025	43.2	41.8
OCT'25	25.10.2025	46.3	43.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

JUNI KAMPTEE VILLAGE:		NKC3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'25	13.10.2025	42.6	40.1
OCT'25	25.10.2025	45.7	43.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/6	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

COLLIERY MANAGER OFFICE NPTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.10.2025	05.10.2025	348	196	46	39	18	RAINY/WINDY
19.10.2025	20.10.2025	351	202	48	41	20	RAINY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH MARember 2000		600	300	-	120	120	

SADBHAVANA NAGAR (FILTER PLANT) NPTUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08.10.2025	09.10.2025	77	37	26	BDL	CLEAR / WINDY	
09.10.2025	10.10.2025	76	32	22	BDL	CLEAR / CALM	
14.10.2025	15.10.2025	65	31	24	BDL	RAINY/WINDY	
17.10.2025	18.10.2025	83	35	24	BDL	RAINY/WINDY	
22.10.2025	23.10.2025	82	38	25	BDL	CLOUDY / CALM	
23.10.2025	24.10.2025	71	41	28	BDL	CLEAR / LIGHT BREEZE	
28.10.2025	29.10.2025	75	40	27	BDL	RAINY / CALM	
29.10.2025	30.10.2025	72	38	27	BDL	CLOUDY / WINDY	
NAAQS, 2009		100	60	80	80		

NEAR LCH QR. NPTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06.10.2025	07.10.2025	64	40	30	BDL	CLOUDY / WINDY	
07.10.2025	08.10.2025	74	38	26	BDL	RAINY / CALM	
12.10.2025	13.10.2025	66	37	31	BDL	RAINY / CALM	
13.10.2025	14.10.2025	70	35	28	BDL	RAINY / WINDY	
20.10.2025	21.10.2025	70	41	28	BDL	CLOUDY / WINDY	
21.10.2025	22.10.2025	80	33	28	BDL	RAINY / CALM	
26.10.2025	27.10.2025	72	36	29	BDL	RAINY / CALM	
27.10.2025	28.10.2025	76	30	23	BDL	RAINY / WINDY	
NAAQS, 2009		100	60	80	80		

SAVARMENDHA /TANDULWADI VILLAGE. NPTUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06.10.2025	07.10.2025	73	36	26	BDL	CLOUDY / CALM	
07.10.2025	08.10.2025	64	42	26	BDL	CLEAR / WINDY	
12.10.2025	13.10.2025	68	38	27	BDL	CLEAR / CALM	
13.10.2025	14.10.2025	74	34	28	BDL	CLOUDY / CALM	
20.10.2025	21.10.2025	79	33	29	BDL	CLOUDY / WINDY	
21.10.2025	22.10.2025	70	31	24	BDL	RAINY / CALM	
26.10.2025	27.10.2025	74	42	23	BDL	RAINY / CALM	
27.10.2025	28.10.2025	80	32	25	BDL	RAINY / WINDY	
NAAQS, 2009		100	60	80	80		

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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

CHP / MAHAGENCO BUNKER NPUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
04.10.2025	05.10.2025	399	241	CLEAR / CALM


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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE DISCHARGE: NPTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	7.96	24	32	BDL
30.10.2025	7.91	28	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: NPTUW2		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
14.10.2025	46	14.4
30.10.2025	50	16.2
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE		NPTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'25	13.10.2025	69.8	67.4
OCT'25	25.10.2025	68.6	66.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SADBHAVNA NAGAR FILTER PLANT		NPTUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'25	13.10.2025	44.6	42.5
OCT'25	25.10.2025	46.7	44.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

SAVARMENDHA VILLAGE		NPTUN3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'25	13.10.2025	43.8	41.1
OCT'25	25.10.2025	45.8	43.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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SAONER UG

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/8	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

C.M OFFICE-SAONER-I UG NSNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.10.2025	05.10.2025	349	195	48	38	19	CLEAR/WINDY
18.10.2025	19.10.2025	352	201	50	40	21	CLEAR / WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DEcember 2000		600	300	-	120	120	

C.M OFFICE-SAONER-II UG NSNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.10.2025	04.10.2025	354	201	47	37	18	CLOUDY/CALM
19.10.2025	20.10.2025	358	207	49	39	20	CLEAR / WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DEcember 2000		600	300	-	120	120	

COLONY WATER FILTER PLANT NSNU3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06.10.2025	07.10.2025	78	40	27	BDL	CLOUDY / CALM	
07.10.2025	08.10.2025	68	32	25	BDL	RAINY / WINDY	
12.10.2025	13.10.2025	69	36	28	BDL	CLEAR / CALM	
13.10.2025	14.10.2025	69	34	30	BDL	CLOUDY / CALM	
20.10.2025	21.10.2025	84	43	23	BDL	CLOUDY / CALM	
21.10.2025	22.10.2025	74	36	21	BDL	RAINY / CALM	
26.10.2025	27.10.2025	75	30	25	BDL	RAINY / CALM	
27.10.2025	28.10.2025	75	35	27	BDL	RAINY / WINDY	
NAAQS, 2009		100	60	80	80		

KOTODI VILLAGE NSNU4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06.10.2025	07.10.2025	71	32	22	BDL	CLOUDY / CALM	
07.10.2025	08.10.2025	70	41	24	BDL	RAINY / WINDY	
12.10.2025	13.10.2025	72	37	26	BDL	CLEAR / CALM	
13.10.2025	14.10.2025	64	38	25	BDL	CLOUDY / CALM	
20.10.2025	21.10.2025	77	30	25	BDL	CLOUDY / CALM	
21.10.2025	22.10.2025	76	39	27	BDL	RAINY / CALM	
26.10.2025	27.10.2025	78	41	24	BDL	RAINY / CALM	
27.10.2025	28.10.2025	70	31	21	BDL	RAINY / WINDY	
NAAQS, 2009		100	60	80	80		

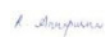
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS 5182 Part-24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

RAILWAY SIDING NSNUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
03.10.2025	04.10.2025	389	233	CLEAR/CALM



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE WATER DISCHARGE I UG: NSNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	7.90	20	28	BDL
30.10.2025	7.88	24	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE II UG: NSNUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	8.03	16	20	BDL
30.10.2025	8.08	20	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE III UG: NSNUW3				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	7.89	18	20	BDL
30.10.2025	7.86	24	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: NSNUW4		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
14.10.2025	40	15.0
30.10.2025	52	15.6
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30


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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE-I: NSNUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	71.8	69.2
OCT'25	25.10.2025	68.8	66.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

FAN HOUSE-II: NSNUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	70.9	68.8
OCT'25	25.10.2025	69.4	66.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

FAN HOUSE-III: NSNUN3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	71.6	68.9
OCT'25	25.10.2025	69.1	66.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: NSNUN4		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	44.4	42.6
OCT'25	25.10.2025	46.6	44.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/9	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

WATER FILTER FLANT NSUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
04.10.2025	05.10.2025	356	202	46	39	20
19.10.2025	20.10.2025	359	208	48	40	22
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120

V.T.C. SILEWARA NSUA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
05.10.2025	06.10.2025	353	200	48	38	19
19.10.2025	20.10.2025	356	206	50	42	21
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120

MANDIR NEAR KANHAN RIVER NSUA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.10.2025	09.10.2025	71	36	30	BDL	CLEAR / WINDY
09.10.2025	10.10.2025	71	31	27	BDL	RAINY/WINDY
14.10.2025	15.10.2025	67	38	28	BDL	RAINY/WINDY
17.10.2025	18.10.2025	77	41	23	BDL	RAINY/CALM
22.10.2025	23.10.2025	75	37	27	BDL	CLOUDY / CALM
23.10.2025	24.10.2025	79	32	30	BDL	CLEAR / LIGHT BREEZE
28.10.2025	29.10.2025	72	42	24	BDL	CLEAR / CALM
29.10.2025	30.10.2025	77	34	23	BDL	CLOUDY / WINDY
NAAQS, 2009		100	60	80	80	

CHANKAPUR PUMP HOUSE/ COLONY NSUA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.10.2025	09.10.2025	69	32	23	BDL	CLEAR / WINDY
09.10.2025	10.10.2025	66	34	24	BDL	RAINY/WINDY
14.10.2025	15.10.2025	67	30	26	BDL	RAINY/WINDY
17.10.2025	18.10.2025	73	38	31	BDL	RAINY/CALM
22.10.2025	23.10.2025	77	32	28	BDL	CLOUDY / CALM
23.10.2025	24.10.2025	77	37	30	BDL	CLEAR / LIGHT BREEZE
28.10.2025	29.10.2025	73	30	26	BDL	CLEAR / CALM
29.10.2025	30.10.2025	80	32	27	BDL	CLOUDY / WINDY
NAAQS, 2009		100	60	80	80	

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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: NSUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	7.53	18	24	BDL
30.10.2025	7.57	22	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: NSUW2		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
14.10.2025	48	15.6
30.10.2025	54	16.8
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE: NSUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	71.3	69.9
OCT'25	25.10.2025	69.7	66.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(SILEWARA): NSUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	43.6	41.4
OCT'25	25.10.2025	46.3	44.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/10	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

MANAGER OFFICE NSOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	
05.10.2025	06.10.2025	360	203	47	39	18
19.10.2025	20.10.2025	364	209	48	43	20
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120

SOHALI VILLAGE NSOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.10.2025	07.10.2025	72	37	28	BDL	CLOUDY/LIGHT BREEZE
07.10.2025	08.10.2025	68	39	24	BDL	CLOUDY/LIGHT BREEZE
12.10.2025	13.10.2025	66	37	28	BDL	CLOUDY/LIGHT BREEZE
13.10.2025	14.10.2025	71	36	30	BDL	CLOUDY/LIGHT BREEZE
20.10.2025	21.10.2025	78	34	26	BDL	CLEAR / LIGHT BREEZE
21.10.2025	22.10.2025	74	32	27	BDL	CLEAR / MODERATE BREEZE
26.10.2025	27.10.2025	72	40	30	BDL	CLEAR / LIGHT BREEZE
27.10.2025	28.10.2025	77	37	28	BDL	CLEAR / LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

HINGNA VILLAGE NSOA3						
DATE(dd:mm:yy) OF SAMPLING		SPM				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.10.2025	07.10.2025	78	37	27	BDL	CLOUDY/LIGHT BREEZE
07.10.2025	08.10.2025	64	36	26	BDL	CLOUDY/LIGHT BREEZE
12.10.2025	13.10.2025	69	38	27	BDL	CLOUDY/LIGHT BREEZE
13.10.2025	14.10.2025	69	35	25	BDL	CLOUDY/LIGHT BREEZE
20.10.2025	21.10.2025	84	36	30	BDL	CLEAR / LIGHT BREEZE
21.10.2025	22.10.2025	70	36	27	BDL	CLEAR / MODERATE BREEZE
26.10.2025	27.10.2025	75	37	32	BDL	CLEAR / LIGHT BREEZE
27.10.2025	28.10.2025	75	43	28	BDL	CLEAR / LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

DORLI VILLAGE NSOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.10.2025	07.10.2025	71	38	26	BDL	CLOUDY/LIGHT BREEZE
07.10.2025	08.10.2025	72	41	25	BDL	CLOUDY/LIGHT BREEZE
12.10.2025	13.10.2025	63	32	22	BDL	CLOUDY/LIGHT BREEZE
13.10.2025	14.10.2025	72	35	26	BDL	CLOUDY/LIGHT BREEZE
20.10.2025	21.10.2025	77	35	29	BDL	CLEAR / LIGHT BREEZE
21.10.2025	22.10.2025	78	38	27	BDL	CLEAR / MODERATE BREEZE
26.10.2025	27.10.2025	69	38	25	BDL	CLEAR / LIGHT BREEZE
27.10.2025	28.10.2025	78	36	29	BDL	CLEAR / LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

NEAR COAL STOCK YARD NSOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	s	s	
10.10.2025	11.10.2025	380	225	CLOUDY /LIGHT BREEZE



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: NSOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	7.96	20	16	BDL
30.10.2025	7.91	26	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: NSOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	8.01	20	24	BDL
30.10.2025	8.05	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CONTRACTOR CAMP: NSON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	46.7	44.5
OCT'25	25.10.2025	57.5	54.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SOHALI VILLAGE: NSON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	43.2	40.8
OCT'25	25.10.2025	45.2	43.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

DORLI VILLAGE: NSON3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	44.2	41.3
OCT'25	25.10.2025	44.7	42.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

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OCTOBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/7	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

MANAGER OFFICE NWUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.10.2025	04.10.2025	343	193	47	36	17	CLOUDY/CALM
18.10.2025	19.10.2025	346	199	49	38	19	CLEAR / WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH MARember 2000		600	300	-	120	120	

COLONY WATER FILTER PLANT NSNU3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06.10.2025	07.10.2025	78	40	27	BDL	CLOUDY / CALM	
07.10.2025	08.10.2025	68	32	25	BDL	RAINY / WINDY	
12.10.2025	13.10.2025	69	36	28	BDL	CLEAR / CALM	
13.10.2025	14.10.2025	69	34	30	BDL	CLOUDY / CALM	
20.10.2025	21.10.2025	84	43	23	BDL	CLOUDY / CALM	
21.10.2025	22.10.2025	74	36	21	BDL	RAINY / CALM	
26.10.2025	27.10.2025	75	30	25	BDL	RAINY / CALM	
27.10.2025	28.10.2025	75	35	27	BDL	RAINY / WINDY	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: NWUW1		ANALYSIS RESULTS		
DATE OF SAMPLE COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	7.89	18	20	BDL
30.10.2025	7.92	24	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

NEAR MANAGER OFFICE		NWUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'25	13.10.2025	46.8	43.2
OCT'25	25.10.2025	53.5	51.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

TRANSIT HOTEL		NWUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'25	13.10.2025	45.6	43.7
OCT'25	25.10.2025	45.8	44.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/11	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

MANAGER OFFICE					UM30A1		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
04.10.2025	05.10.2025	311	185	58	20	15	Cloudy sky / Light breeze
19.10.2025	20.10.2025	293	177	47	17	13	Clear sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

NEAR RLY. WEIGHT BRIDGE UM30A2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05.10.2025	06.10.2025	288	172	52	16	14	Cloudy sky / Light breeze
24.10.2025	25.10.2025	279	164	44	15	13	Clear sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

PIPARDOL VILLAGE UM30A3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	2	6	10	
03.10.2025	04.10.2025	70	24	7	BDL	partially cloudy/ Light breeze
04.10.2025	05.10.2025	72	25	8	BDL	partially cloudy/ Light breeze
09.10.2025	10.10.2025	75	30	9	BDL	Clear/ Calm
10.10.2025	11.10.2025	80	32	11	BDL	Clear/ Calm
17.10.2025	18.10.2025	83	35	12	10	Clear/ Calm
18.10.2025	19.10.2025	78	28	8	BDL	Clear/ Calm
24.10.2025	25.10.2025	84	33	13	11	Clear/ Calm
25.10.2025	26.10.2025	73	26	8	BDL	Rain, cloudy/ Breeze
NAAQS, 2009		100	60	80	80	

WELSAKARA VILLAGE UM30A4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	2	6	10	
03.10.2025	04.10.2025	82	30	10	BDL	partially cloudy/ Light breeze
04.10.2025	05.10.2025	84	36	11	BDL	partially cloudy/ Light breeze
09.10.2025	10.10.2025	78	27	7	BDL	Clear/ Calm
10.10.2025	11.10.2025	75	29	9	BDL	Clear/ Calm
17.10.2025	18.10.2025	68	26	8	BDL	Clear/ Calm
18.10.2025	19.10.2025	75	28	9	BDL	Clear/ Calm
24.10.2025	25.10.2025	83	34	12	11	Clear/ Calm
25.10.2025	26.10.2025	81	29	9	BDL	Rain, cloudy/ Breeze
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: UM3OW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04.10.2025	7.41	28	36	BDL
19.10.2025	7.36	23	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UM3OW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04.10.2025	7.28	17	24	BDL
19.10.2025	7.18	14	20	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

PIT OFFICE: UGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11.10.2025	64.4	62.5
OCT'25	27.10.2025	62.5	60.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

HEOTI VILLAGE: UM10N3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11.10.2025	52.2	43.0
OCT'25	27.10.2025	50.7	41.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/OCT-25/11	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

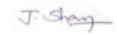
CONTRACTOR CAMP UGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05.10.2025	06.10.2025	321	190	56	22	15	Cloudy sky / Light breeze
24.10.2025	25.10.2025	303	188	48	20	13	Clear sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

BESUR VILLAGE UGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
05.10.2025	06.10.2025	75	26	7	BDL		Clear/ Calm
06.10.2025	07.10.2025	77	29	8	BDL		Clear/ Calm
11.10.2025	12.10.2025	80	31	9	BDL		Clear/ Calm
12.10.2025	13.10.2025	84	34	12	10		Clear/ Calm
19.10.2025	20.10.2025	80	29	8	BDL		Clear/ Calm
20.10.2025	21.10.2025	79	28	7	BDL		Clear/ Calm
26.10.2025	27.10.2025	74	23	6	BDL		Clear/ Calm
27.10.2025	28.10.2025	83	32	10	BDL		Clear/ Calm
NAAQS, 2009		100	60	80	80		

NAND VILLAGE UGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
05.10.2025	06.10.2025	80	30	10	BDL		Clear/ Calm
06.10.2025	07.10.2025	83	31	11	BDL		Clear/ Calm
11.10.2025	12.10.2025	76	26	8	BDL		Clear/ Calm
12.10.2025	13.10.2025	69	29	9	BDL		Clear/ Calm
19.10.2025	20.10.2025	81	30	10	BDL		Clear/ Calm
20.10.2025	21.10.2025	77	25	7	BDL		Clear/ Calm
26.10.2025	27.10.2025	85	36	12	11		Clear/ Calm
27.10.2025	28.10.2025	82	31	9	BDL		Clear/ Calm
NAAQS, 2009		100	60	80	80		

POLGAON VILLAGE UGOA4						
DATE(dd:mm:yy) AND TIME (12 hr format) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
05.10.2025	06.10.2025	68	25	6	BDL	Clear/ Calm
06.10.2025	07.10.2025	70	27	7	BDL	Clear/ Calm
11.10.2025	12.10.2025	73	29	8	BDL	Clear/ Calm
12.10.2025	13.10.2025	75	30	9	BDL	Clear/ Calm
19.10.2025	20.10.2025	81	33	11	10	Clear/ Calm
20.10.2025	21.10.2025	83	35	13	11	Clear/ Calm
26.10.2025	27.10.2025	86	36	14	12	Clear/ Calm
27.10.2025	28.10.2025	80	31	10	BDL	Clear/ Calm
NAAQS, 2009		100	60	80	80	

NEAR VIEW POINT				UGOA5			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05.10.2025	06.10.2025	315	186	50	15	12	Cloudy sky / Light breeze
24.10.2025	25.10.2025	296	177	47	14	11	Clear sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	



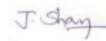
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: UGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05.10.2025	7.65	31	40	BDL
24.10.2025	7.53	33	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(WORKSHOP): UGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05.10.2025	7.23	21	32	BDL
24.10.2025	7.45	23	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

PIT OFFICE: UGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11.10.2025	57.7	52.0
OCT'25	27.10.2025	58.9	53.0
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CONTRACTOR CAMP: UGON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11.10.2025	53.6	49.3
OCT'25	27.10.2025	55.2	50.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

POLGAON VILLAGE: UGON3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11.10.2025	52.9	45.8
OCT'25	27.10.2025	51.4	44.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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MAKARDHOKRA-II OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2025



Environment Laboratory

CMPDI

REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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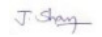
TEST REPORT NO.	RIN/TR/OCT-25/14	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

NEAR MANAGER OFFICE		UMOA1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
05.10.2025	06.10.2025	288	166	46	16	13
19.10.2025	20.10.2025	294	172	52	18	14
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120

SAM OFFICE		UMOA2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
05.10.2025	06.10.2025	308	187	54	20	15
19.10.2025	20.10.2025	322	196	58	24	17
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120

KANWA VILLAGE		UUA03				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
05.10.2025	06.10.2025	68	23	6	BDL	Clear sky / Calm
06.10.2025	07.10.2025	71	25	7	BDL	Clear sky / Calm
11.10.2025	12.10.2025	75	28	7	BDL	Clear sky / Calm
12.10.2025	13.10.2025	80	30	9	BDL	Clear sky / Calm
19.10.2025	20.10.2025	79	29	9	BDL	Clear sky / Calm
20.10.2025	21.10.2025	83	33	12	10	Clear sky / Calm
26.10.2025	27.10.2025	85	35	13	11	Clear sky / Calm
27.10.2025	28.10.2025	81	31	10	BDL	Clear sky / Calm
NAAQS, 2009		100	60	80	80	

NEAR PUMP HOUSE COLONY		UUA04				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
05.10.2025	06.10.2025	72	26	6	BDL	Clear sky / Calm
06.10.2025	07.10.2025	74	28	7	BDL	Clear sky / Calm
11.10.2025	12.10.2025	82	32	12	10	Clear sky / Calm
12.10.2025	13.10.2025	84	34	13	10	Clear sky / Calm
19.10.2025	20.10.2025	78	27	7	BDL	Clear sky / Calm
20.10.2025	21.10.2025	75	24	6	BDL	Clear sky / Calm
26.10.2025	27.10.2025	80	31	11	BDL	Clear sky / Calm
27.10.2025	28.10.2025	83	32	12	BDL	Clear sky / Calm
NAAQS, 2009		100	60	80	80	


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

NEAR PIT OFFICE: UMON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	NOISE LEVEL IN dB(A)
		DAY TIME	DAY TIME
	DETECTION LIMIT	20	20
OCT'25	11.10.2025	62.0	58.5
OCT'25	27.10.2025	60.2	56.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70


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ENVIRONMENTAL MONITORING REPORT

MAKARDHOKRA-I OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/34	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

PIT OFFICE UM10A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03.10.2025	04.10.2025	288	177	51	17	14	Cloudy sky / Light breeze
18.10.2025	19.10.2025	293	185	45	19	15	Clear sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

KALMANA VILLAGE			UM10A2			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03.10.2025	04.10.2025	68	25	6	BDL	partially cloudy/ Light breeze
04.10.2025	05.10.2025	70	27	7	BDL	partially cloudy/ Light breeze
09.10.2025	10.10.2025	78	29	8	BDL	Clear/ Calm
10.10.2025	11.10.2025	82	30	9	BDL	Clear/ Calm
17.10.2025	18.10.2025	84	32	11	BDL	Clear/ Calm
18.10.2025	19.10.2025	86	34	12	10	Clear/ Calm
24.10.2025	25.10.2025	83	30	10	BDL	Clear/ Calm
25.10.2025	26.10.2025	80	29	9	BDL	Rain, cloudy/ Breeze
NAAQS, 2009		100	60	80	80	

SIRPUR VILLAGE		UM10A3				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03.10.2025	04.10.2025	72	27	7	BDL	partially cloudy/ Light breeze
04.10.2025	05.10.2025	75	29	8	BDL	partially cloudy/ Light breeze
09.10.2025	10.10.2025	80	31	10	BDL	Clear/ Calm
10.10.2025	11.10.2025	83	32	12	BDL	Clear/ Calm
17.10.2025	18.10.2025	84	35	13	11	Clear/ Calm
18.10.2025	19.10.2025	79	28	8	BDL	Clear/ Calm
24.10.2025	25.10.2025	76	27	7	BDL	Clear/ Calm
25.10.2025	26.10.2025	81	30	9	BDL	Rain, cloudy/ Breeze
NAAQS, 2009		100	60	80	80	

KHURSAPUR VILLAGE		UM10A4				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03.10.2025	04.10.2025	68	23	7	BDL	partially cloudy/ Light breeze
04.10.2025	05.10.2025	70	25	8	BDL	partially cloudy/ Light breeze
09.10.2025	10.10.2025	73	28	9	BDL	Clear/ Calm
10.10.2025	11.10.2025	67	22	6	BDL	Clear/ Calm
17.10.2025	18.10.2025	72	27	7	BDL	Clear/ Calm
18.10.2025	19.10.2025	80	28	9	BDL	Clear/ Calm
24.10.2025	25.10.2025	82	30	10	BDL	Clear/ Calm
25.10.2025	26.10.2025	85	33	12	BDL	Rain, cloudy/ Breeze
NAAQS, 2009		100	60	80	80	
HEOTI VILLAGE		UM10A5				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03.10.2025	04.10.2025	77	27	8	BDL	partially cloudy/ Light breeze
04.10.2025	05.10.2025	79	30	10	BDL	partially cloudy/ Light breeze
09.10.2025	10.10.2025	80	33	7	BDL	Clear/ Calm
10.10.2025	11.10.2025	66	25	9	BDL	Clear/ Calm
17.10.2025	18.10.2025	68	26	10	BDL	Clear/ Calm
18.10.2025	19.10.2025	70	28	6	BDL	Clear/ Calm
24.10.2025	25.10.2025	75	30	9	BDL	Clear/ Calm
25.10.2025	26.10.2025	81	33	11	BDL	Rain, cloudy/ Breeze
NAAQS, 2009		100	60	80	80	
SUBSTATION		UM10A6				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	
FROM	TO	5	5	2	6	10
05.10.2025	06.10.2025	316	189	53	18	15
24.10.2025	25.10.2025	190	172	48	16	13
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C, O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: UM1OW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03.10.2025	7.82	32	40	BDL
24.10.2025	7.71	27	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10
ETP: UM1OW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03.10.2025	7.22	17	28	BDL
24.10.2025	7.31	15	20	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

PIT OFFICE: UM1ON1	
MONTH	DATE OF SAMPLE COLLECTION
	DETECTION LIMIT
OCT'25	11.10.2025
OCT'25	27.10.2025
NOISE POLLUTION (REGULATION AND CONTROL) RULES	

SIRPUR VILLAGE: UM1ON2	
MONTH	DATE OF SAMPLE COLLECTION
	DETECTION LIMIT
OCT'25	11.10.2025
OCT'25	27.10.2025
NOISE POLLUTION (REGULATION AND CONTROL) RULES	

HEOTI VILLAGE: UM1ON3	
MONTH	DATE OF SAMPLE COLLECTION
	DETECTION LIMIT
OCT'25	11.10.2025
OCT'25	27.10.2025
NOISE POLLUTION (REGULATION AND CONTROL) RULES	


Yogesh Pidurkar
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ENVIRONMENTAL MONITORING REPORT

UMRER OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2025

Environment Laboratory

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102	
TEST REPORT NO.		RIN/TR/OCT-25/16		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47 16-10-25 TO 15-11-25	

UMRER MANAGER OFFICE				UUOA1			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03.10.2025	04.10.2025	285	168	45	16	12	Cloudy sky / Light breeze
18.10.2025	19.10.2025	297	180	48	18	13	Clear sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

NEAR WORKSHOP					UUOA2		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03.10.2025	04.10.2025	322	188	58	23	15	
18.10.2025	19.10.2025	305	179	50	19	14	
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTober 2000		600	300	-	120	120	

KANWA VILLAGE UUOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
05.10.2025	06.10.2025	68	23	6	BDL	Clear sky / Calm
06.10.2025	07.10.2025	71	25	7	BDL	Clear sky / Calm
11.10.2025	12.10.2025	75	28	7	BDL	Clear sky / Calm
12.10.2025	13.10.2025	80	30	9	BDL	Clear sky / Calm
19.10.2025	20.10.2025	79	29	9	BDL	Clear sky / Calm
20.10.2025	21.10.2025	83	33	12	10	Clear sky / Calm
26.10.2025	27.10.2025	85	35	13	11	Clear sky / Calm
27.10.2025	28.10.2025	81	31	10	BDL	Clear sky / Calm
NAAQS, 2009		100	60	80	80	

NEAR PUMP HOUSE COLONY UUOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
05.10.2025	06.10.2025	72	26	6	BDL	Clear sky / Calm
06.10.2025	07.10.2025	74	28	7	BDL	Clear sky / Calm
11.10.2025	12.10.2025	82	32	12	10	Clear sky / Calm
12.10.2025	13.10.2025	84	34	13	10	Clear sky / Calm
19.10.2025	20.10.2025	78	27	7	BDL	Clear sky / Calm
20.10.2025	21.10.2025	75	24	6	BDL	Clear sky / Calm
26.10.2025	27.10.2025	80	31	11	BDL	Clear sky / Calm
27.10.2025	28.10.2025	83	32	12	BDL	Clear sky / Calm
NAAQS, 2009		100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

WEIGH BRIDGE UUOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
11.10.2025	12.10.2025	385	277	CLOUDY / CALM

RAILWAY SIDING UUOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
11.10.2025	12.10.2025	370	262	CLOUDY / CALM

CHP UUOF3				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
11.10.2025	12.10.2025	392	290	CLOUDY / CALM



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: UUOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04.10.2025	7.92	23	32	BDL
18.10.2025	7.81	29	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UUOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04.10.2025	7.62	17	24	BDL
18.10.2025	7.53	15	20	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: UUOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
04.10.2025	27	12.3
18.10.2025	23	13.4
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP:		UUON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME	NOISE LEVEL IN dB(A) NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11.10.2025	67.1	59.8
OCT'25	27.10.2025	68.5	61.0
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		UUON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME	NOISE LEVEL IN dB(A) NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11.10.2025	53.0	44.1
OCT'25	27.10.2025	53.4	42.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

GHUGUS OC

WANI AREA

WESTERN COALFIELDS LTD.

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OCTOBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/17	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

ACC PATCH NEAR ACC COLONY WGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.10.2025	04.10.2025	349	221	66	26	12	CLOUDY/LIGHTBREEZE
18.10.2025	19.10.2025	327	208	63	21	11	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SAM OFFICE WGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.10.2025	04.10.2025	338	214	67	25	12	CLOUDY/LIGHTBREEZE
18.10.2025	19.10.2025	299	209	63	21	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

RAM NAGAR COLONY WGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06.10.2025	07.10.2025	85	38	18	12	RAIN/MODERATE BREEZE	
07.10.2025	08.10.2025	79	36	17	BDL	CLOUDY/LIGHTBREEZE	
12.10.2025	13.10.2025	75	44	16	BDL	CLEAR/CALM	
13.10.2025	14.10.2025	71	38	15	BDL	CLEAR/CALM	
20.10.2025	21.10.2025	78	37	17	11	CLOUDY/LIGHTBREEZE	
21.10.2025	22.10.2025	69	37	16	BDL	CLEAR/CALM	
26.10.2025	27.10.2025	76	42	18	11	CLOUDY/LIGHTBREEZE	
27.10.2025	28.10.2025	84	35	17	10	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

GHUGUS VILLAGE (GP OFFICE) WGOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06.10.2025	07.10.2025	86	41	18	11	RAIN/MODERATE BREEZE	
07.10.2025	08.10.2025	75	38	17	BDL	CLOUDY/LIGHTBREEZE	
12.10.2025	13.10.2025	83	39	16	10	CLEAR/CALM	
13.10.2025	14.10.2025	79	42	15	BDL	CLEAR/CALM	
20.10.2025	21.10.2025	72	37	15	BDL	CLOUDY/LIGHTBREEZE	
21.10.2025	22.10.2025	82	41	17	11	CLEAR/CALM	
26.10.2025	27.10.2025	80	35	16	BDL	CLOUDY/LIGHTBREEZE	
27.10.2025	28.10.2025	74	37	16	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

CHP: WGOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
28.10.2025	29.10.2025	486	276	CLOUDY/LIGHTBREEZE

RAILWAY SIDING: WGOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
28.10.2025	29.10.2025	467	283	CLOUDY/LIGHTBREEZE



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP: WGON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	14.10.2025	67.7	66.2
OCT'25	29.10.2025	67.3	66.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(GHUGUS): WGON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	14.10.2025	45.2	44.3
OCT'25	29.10.2025	45.4	44.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

KOLGAON OC

WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/OCT-25/18	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

MANAGER OFFICE				WKOA1			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03.10.2025	04.10.2025	348	218	65	25	11	CLOUDY/LIGHTBREEZE
18.10.2025	19.10.2025	321	205	61	23	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SAM OFFICE				WMOA2			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
04.10.2025	05.10.2025	344	214	64	27	12	CLEAR/CALM
19.10.2025	20.10.2025	314	204	59	23	11	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

KOLGAON VILLAGE				WKOA3		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
06.10.2025	07.10.2025	82	44	16	BDL	RAINY/MODERATE BREEZE
07.10.2025	08.10.2025	77	38	18	11	CLOUDY/LIGHTBREEZE
12.10.2025	13.10.2025	69	31	17	BDL	CLEAR/CALM
13.10.2025	14.10.2025	78	34	15	BDL	CLEAR/CALM
20.10.2025	21.10.2025	75	34	15	BDL	CLOUDY/LIGHTBREEZE
21.10.2025	22.10.2025	74	30	16	BDL	CLEAR/CALM
26.10.2025	27.10.2025	68	37	17	10	CLOUDY/LIGHTBREEZE
27.10.2025	28.10.2025	79	34	16	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

KAILSHNAGAR TOWNSHIP - FILTER PLANT			WMOA3			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
06.10.2025	07.10.2025	85	38	15	BDL	
07.10.2025	08.10.2025	81	34	17	BDL	CLOUDY/LIGHTBREEZE
12.10.2025	13.10.2025	75	41	18	11	CLEAR/CALM
13.10.2025	14.10.2025	64	42	19	12	CLEAR/CALM
20.10.2025	21.10.2025	66	40	15	BDL	CLOUDY/LIGHTBREEZE
21.10.2025	22.10.2025	75	35	16	BDL	CLEAR/CALM
26.10.2025	27.10.2025	79	37	18	BDL	CLOUDY/LIGHTBREEZE
27.10.2025	28.10.2025	81	42	17	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

DATE(dd:mm:yy) OF SAMPLING		W BRIDGE: WGKF1	ENVIRONMENT CONDITIONS (Sky/Wind)
		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)	
FROM	TO	SPM	
29.10.2025	30.10.2025	514	289
CLOUDY/LIGHTBREEZE			



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE WATER DISCHARGE:		WKOW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	7.13	48	36	BDL
29.10.2025	7.06	56	42	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

MANAGER OFFICE:		WKON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'25	14.10.2025	50.7	49.6
OCT'25	29.10.2025	52.2	51.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MUNGOLI):		WKON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'25	14.10.2025	44.7	43.2
OCT'25	29.10.2025	45.0	44.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

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WANI AREA

WESTERN COALFIELDS LTD.

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/OCT-25/19	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

SUBSTATION WMOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.10.2025	05.10.2025	5	5	2	6	10	CLEAR/CALM
19.10.2025	20.10.2025	356	214	64	27	11	CLEAR/CALM
19.10.2025	20.10.2025	321	198	61	24	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SAM OFFICE WMOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.10.2025	05.10.2025	5	5	2	6	10	CLEAR/CALM
19.10.2025	20.10.2025	344	214	64	27	12	CLEAR/CALM
19.10.2025	20.10.2025	314	204	59	23	11	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

KAILSHNAGAR TOWNSHIP - FILTER PLANT WMOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06.10.2025	07.10.2025	5	2	6	10	RAINY/MODERATE BREEZE	
07.10.2025	08.10.2025	85	38	15	BDL	CLOUDY/LIGHTBREEZE	
12.10.2025	13.10.2025	81	34	17	BDL	CLEAR/CALM	
13.10.2025	14.10.2025	75	41	18	11	CLEAR/CALM	
20.10.2025	21.10.2025	64	42	19	12	CLOUDY/LIGHTBREEZE	
21.10.2025	22.10.2025	66	40	15	BDL	CLEAR/CALM	
26.10.2025	27.10.2025	75	35	16	BDL	CLOUDY/LIGHTBREEZE	
27.10.2025	28.10.2025	79	37	18	BDL	CLEAR/CALM	
27.10.2025	28.10.2025	81	42	17	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

TUBEWELL NEAR SAKHARA VILLAGE WMOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08.10.2025	09.10.2025	5	2	6	10	CLEAR/CALM	
09.10.2025	10.10.2025	78	44	16	BDL	CLEAR/CALM	
14.10.2025	15.10.2025	75	38	17	10	CLEAR/CALM	
17.10.2025	18.10.2025	86	37	18	BDL	CLEAR/CALM	
22.10.2025	23.10.2025	76	35	16	BDL	CLOUDY/LIGHTBREEZE	
23.10.2025	24.10.2025	88	39	15	BDL	CLEAR/CALM	
28.10.2025	29.10.2025	75	43	17	11	CLEAR/CALM	
29.10.2025	30.10.2025	82	32	15	BDL	CLOUDY/LIGHTBREEZE	
29.10.2025	30.10.2025	92	34	18	12	CLOUDY/LIGHTBREEZE	
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

SECURITY CHECK POST				WMOF1
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
29.10.2025	30.10.2025	468	259	CLOUDY/LIGHTBREEZE



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: WMOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	7.49	54	40	BDL
29.10.2025	7.37	42	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WMOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	7.36	46	36	BDL
29.10.2025	7.41	38	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP: WMON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'25	14.10.2025	67.3	66.4
OCT'25	29.10.2025	66.5	65.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MUNGOLI): WMON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'25	14.10.2025	44.7	43.2
OCT'25	29.10.2025	45.0	44.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/OCT-25/20		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)				
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-10-25 TO 15-11-25	

SAM OFFICE WNGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.10.2025	05.10.2025	338	210	65	26	11	CLEAR/CALM
19.10.2025	20.10.2025	309	289	61	24	12	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

WORKSHOP ETP NOCM WNOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.10.2025	06.10.2025	328	229	67	25	10	CLOUDY/LIGHTBREEZE
24.10.2025	25.10.2025	299	186	62	21	BDL	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

BELLORA REHABILITATION VILLAGE WNGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06.10.2025	07.10.2025	68	33	16	11	RAINY/MODERATE BREEZE	
07.10.2025	08.10.2025	81	42	15	BDL	CLOUDY/LIGHTBREEZE	
12.10.2025	13.10.2025	77	39	18	BDL	CLEAR/CALM	
13.10.2025	14.10.2025	79	42	17	11	CLEAR/CALM	
20.10.2025	21.10.2025	83	43	15	BDL	CLOUDY/LIGHTBREEZE	
21.10.2025	22.10.2025	72	34	18	10	CLEAR/CALM	
26.10.2025	27.10.2025	80	41	16	BDL	CLOUDY/LIGHTBREEZE	
27.10.2025	28.10.2025	76	34	15	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

FILTER PLANT NEAR VIP GUEST HOUSE WNGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06.10.2025	07.10.2025	69	32	16	BDL	RAINY/MODERATE BREEZE	
07.10.2025	08.10.2025	81	34	15	BDL	CLOUDY/LIGHTBREEZE	
12.10.2025	13.10.2025	76	42	17	10	CLEAR/CALM	
13.10.2025	14.10.2025	90	42	18	11	CLEAR/CALM	
20.10.2025	21.10.2025	86	38	16	BDL	CLOUDY/LIGHTBREEZE	
21.10.2025	22.10.2025	76	32	15	BDL	CLEAR/CALM	
26.10.2025	27.10.2025	82	40	14	BDL	CLOUDY/LIGHTBREEZE	
27.10.2025	28.10.2025	69	34	15	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

WEIGHT BRIDGE WNGOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
30.10.2025	31.10.2025	498	278	RAINY/MODERATE BREEZE



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: WNGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	5.86	46	24	BDL
29.10.2025	5.48	38	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WNGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	7.24	42	32	BDL
29.10.2025	6.67	34	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP: WNGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'25	14.10.2025	65.5	64.4
OCT'25	29.10.2025	64.3	63.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(GHUGUS): WNGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'25	14.10.2025	45.2	44.3
OCT'25	29.10.2025	45.4	44.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

NILJAI DEEP OC

WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2025

Environment Laboratory
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/OCT-25/21	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

CIVIL OFFICE- NILJAI				WNOA1			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05.10.2025	06.10.2025	328	204	58	24	11	CLOUDY/LIGHTBREEZE
24.10.2025	25.10.2025	341	233	65	20	BDL	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

WORKSHOP ETP NOCM				WNOA2			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05.10.2025	06.10.2025	328	229	67	25	10	CLEAR/CALM
24.10.2025	25.10.2025	299	186	62	21	BDL	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

NILJAI COLONY			WNOA3			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
08.10.2025	09.10.2025	85	42	16	BDL	CLEAR/CALM
09.10.2025	10.10.2025	76	38	18	11	CLEAR/CALM
14.10.2025	15.10.2025	76	41	18	10	CLEAR/CALM
17.10.2025	18.10.2025	68	38	16	BDL	CLOUDY/LIGHTBREEZE
22.10.2025	23.10.2025	83	33	17	BDL	CLEAR/CALM
23.10.2025	24.10.2025	76	37	15	BDL	CLEAR/CALM
28.10.2025	29.10.2025	80	35	17	10	CLOUDY/LIGHTBREEZE
29.10.2025	30.10.2025	69	36	16	BDL	CLOUDY/LIGHTBREEZE
NAAQS, 2009		100	60	80	80	

TARODA VILLAGE WNOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
08.10.2025	09.10.2025	69	35	16	BDL	CLEAR/CALM
09.10.2025	10.10.2025	75	38	15	BDL	CLEAR/CALM
14.10.2025	15.10.2025	86	41	17	BDL	CLEAR/CALM
17.10.2025	18.10.2025	76	38	19	12	CLOUDY/LIGHTBREEZE
22.10.2025	23.10.2025	84	36	18	11	CLEAR/CALM
23.10.2025	24.10.2025	88	42	16	BDL	CLEAR/CALM
28.10.2025	29.10.2025	76	46	18	12	CLOUDY/LIGHTBREEZE
29.10.2025	30.10.2025	84	43	16	BDL	CLOUDY/LIGHTBREEZE
NAAQS, 2009		100	60	80	80	



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

WEIGHT BRIDGE WNOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
30.10.2025	31.10.2025	398	251	RAINY/MODERATE BREEZE

CHP WNOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
30.10.2025	31.10.2025	421	268	RAINY/MODERATE BREEZE



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE WATER DISCHARGE:		WNOW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	7.4	56	40	BDL
29.10.2025	7.08	48	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	.	100	250	10

ETP(NILJAI-S)TREATED WATER:		WNOW2		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	7.61	40	36	BDL
29.10.2025	7.44	36	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)T.WATER:		WNOW3	
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS		
	TSS (in mg/l)	BOD(in mg/l)	
DETECTION LIMIT	10	2	
14.10.2025	76	12.0	
29.10.2025	68	10.4	
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP-NILJAI: WNON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	14.10.2025	66.5	65.3
OCT'25	29.10.2025	67.0	66.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CHP-NILJAI(S): WNON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	14.10.2025	65.3	64.4
OCT'25	29.10.2025	66.4	65.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(NILJAI): WNON3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	14.10.2025	44.7	43.5
OCT'25	29.10.2025	44.3	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

PENGANGA OC

WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/OCT-25/23		DATE OF ISSUE	
NAME OF CUSTOMER		25.11.2025			
		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-10-25 TO 15-11-25	

MANAGER OFFICE WPOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05.10.2025	06.10.2025	339	234	67	26	11	CLOUDY/LIGHTBREEZE
24.10.2025	25.10.2025	308	209	63	23	BDL	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SAM OFFICE WPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05.10.2025	06.10.2025	297	214	62	24	10	CLOUDY/LIGHTBREEZE
24.10.2025	25.10.2025	344	238	66	27	12	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

VIRUR VILLAGE WPOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08.10.2025	09.10.2025	82	43	18	10		CLEAR/CALM
09.10.2025	10.10.2025	78	42	15	BDL		CLEAR/CALM
14.10.2025	15.10.2025	89	35	16	BDL		CLEAR/CALM
17.10.2025	18.10.2025	69	36	17	BDL		CLOUDY/LIGHTBREEZE
22.10.2025	23.10.2025	76	34	15	BDL		CLEAR/CALM
23.10.2025	24.10.2025	82	37	16	BDL		CLEAR/CALM
28.10.2025	29.10.2025	74	42	16	BDL		CLOUDY/LIGHTBREEZE
29.10.2025	30.10.2025	76	40	17	11		CLOUDY/LIGHTBREEZE
NAAQS, 2009		100	60	80	80		

GADEGAON VILLAGE WPOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08.10.2025	09.10.2025	85	41	16	BDL		CLEAR/CALM
09.10.2025	10.10.2025	82	39	15	BDL		CLEAR/CALM
14.10.2025	15.10.2025	76	34	18	12		CLEAR/CALM
17.10.2025	18.10.2025	82	38	15	BDL		CLOUDY/LIGHTBREEZE
22.10.2025	23.10.2025	72	35	16	BDL		CLEAR/CALM
23.10.2025	24.10.2025	76	35	14	BDL		CLEAR/CALM
28.10.2025	29.10.2025	79	36	18	12		CLOUDY/LIGHTBREEZE
29.10.2025	30.10.2025	75	37	19	11		CLOUDY/LIGHTBREEZE
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

KARGIL SECURITY CHECK POST				WPOF1
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
30.10.2025	31.10.2025	412	249	RAINY/MODERATE BREEZE



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: WPOW1		ANALYSIS RESULTS		
DATE OF SAMPLE COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2025	7.49	60	44	BDL
29.10.2025	7.65	48	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

NEAR WORKSHOP: WPON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'25	14.10.2025	52.3	51.2
OCT'25	29.10.2025	53.6	52.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70


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ENVIRONMENTAL MONITORING REPORT

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OCTOBER 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/67	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

MANAGER OFFICE KAOA1							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03.10.2025	04.10.2025	305	175	46	17	14	Cloudy sky / Light breeze
18.10.2025	19.10.2025	321	189	52	19	16	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

PIT OFFICE KAUA2							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03.10.2025	04.10.2025	330	182	55	24	17	Cloudy sky / Light breeze
18.10.2025	19.10.2025	314	170	50	20	15	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

COLONY HEALTH CENTER KMUA3							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08.10.2025	09.10.2025	71	25	10	BDL		Cloudy sky / Light breeze
09.10.2025	10.10.2025	65	22	9	BDL		Cloudy sky / Light breeze
13.10.2025	14.10.2025	77	26	11	BDL		Cloudy sky / Light breeze
17.10.2025	18.10.2025	80	28	13	10		Cloudy sky / Calm
22.10.2025	23.10.2025	69	23	8	BDL		Cloudy sky / Calm
23.10.2025	24.10.2025	82	30	14	11		Cloudy sky / Calm
28.10.2025	29.10.2025	83	33	16	12		Cloudy sky / Calm
29.10.2025	30.10.2025	74	27	9	BDL		Cloudy sky / Calm
NAAQS, 2009		100	60	80	80		

AMBARA VILLAGE KMUA4							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
06.10.2025	07.10.2025	81	30	13	11		Cloudy sky / Light breeze
07.10.2025	08.10.2025	75	26	7	BDL		Cloudy sky / Light breeze
11.10.2025	12.10.2025	67	22	7	BDL		Cloudy sky / Light breeze
12.10.2025	13.10.2025	76	27	8	BDL		Cloudy sky / Light breeze
20.10.2025	21.10.2025	69	23	7	BDL		Cloudy sky / Calm
21.10.2025	22.10.2025	64	20	6	BDL		Cloudy sky / Calm
26.10.2025	27.10.2025	78	28	12	10		Cloudy sky / Calm
27.10.2025	28.10.2025	66	24	8	BDL		Cloudy sky / Calm
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: KAOW				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.10.2025	3.82	22	36	BDL
19.10.2025	3.91	24	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: KAON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'25	11.10.2025	44.4	42.5
OCT'25	29.10.2025	45.4	42.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MOHAN/MAORI): KMUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'25	11.10.2025	43.4	41.6
OCT'25	29.10.2025	42.3	39.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

AREA WORKSHOP

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



OCTOBER 2025

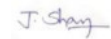
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/OCT-25/69	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

AREA WORKSHOP KAWA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
04.10.2025	05.10.2025	325	192	51	22	15	Cloudy sky / Light breeze
24.10.2025	25.10.2025	298	176	47	19	13	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

WORK SHOP PREMISES:		KAWN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11.10.2025	45.4	43.7
OCT'25	29.10.2025	46.3	44.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70


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ENVIRONMENTAL MONITORING REPORT

GHORAWARI OC

KANHAN AREA

WESTERN COALFIELDS LTD.

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OCTOBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/OCT-25/70		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-10-25 TO 15-11-25	

MANAGER OFFICE-GHORAWARI OC KGOA1							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
04.10.2025	05.10.2025	314	187	53	20	15	Cloudy sky / Light breeze
19.10.2025	20.10.2025	296	178	47	17	13	Cloudy sky / calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SAM-OFFICE GHORAWARI KJUA2							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
04.10.2025	05.10.2025	288	169	44	15	12	Cloudy sky / Light breeze
19.10.2025	20.10.2025	325	192	58	23	16	Cloudy sky / calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

COLONY HEALTH CENTER JHARNA KJUA3							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08.10.2025	09.10.2025	72	27	8	BDL		Cloudy sky / Light breeze
09.10.2025	10.10.2025	75	29	9	BDL		Cloudy sky / Light breeze
13.10.2025	14.10.2025	78	30	11	BDL		Cloudy sky / Light breeze
17.10.2025	18.10.2025	81	32	13	11		Cloudy sky / Calm
22.10.2025	23.10.2025	83	34	14	12		Cloudy sky / Calm
23.10.2025	24.10.2025	85	35	15	13		Cloudy sky / Calm
28.10.2025	29.10.2025	79	31	10	BDL		Cloudy sky / Calm
29.10.2025	30.10.2025	82	33	12	10		Cloudy sky / Calm
NAAQS, 2009		100	60	80	80		

PANARA VILLAGE KJUA4							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08.10.2025	09.10.2025	68	25	6	BDL		Cloudy sky / Light breeze
09.10.2025	10.10.2025	71	27	7	BDL		Cloudy sky / Light breeze
13.10.2025	14.10.2025	73	29	8	BDL		Cloudy sky / Light breeze
17.10.2025	18.10.2025	77	30	9	BDL		Cloudy sky / Calm
22.10.2025	23.10.2025	80	31	11	BDL		Cloudy sky / Calm
23.10.2025	24.10.2025	82	33	13	11		Cloudy sky / Calm
28.10.2025	29.10.2025	84	34	14	12		Cloudy sky / Calm
29.10.2025	30.10.2025	78	29	9	BDL		Cloudy sky / Calm
NAAQS, 2009		100	60	80	80		


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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

WEIGH BRIDGE KGUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
30.10.2025	31.10.2025	378	248	CLEAR / CALM



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	ISOP 6

MANAGER OFFICE:		KGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11.10.2025	44.3	41.6
OCT'25	29.10.2025	44.4	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(JHARNA):		KGON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11.10.2025	42.3	39.5
OCT'25	29.10.2025	42.2	40.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

MOHAN/ MAORI UG

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



OCTOBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/OCT-25/72	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

SAM OFFICE KMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
04.10.2025	05.10.2025	289	158	48	18	12	Cloudy sky / Light breeze
19.10.2025	20.10.2025	323	193	57	24	16	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

PIT OFFICE MOHAN KMUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
04.10.2025	05.10.2025	309	186	53	20	15	Cloudy sky / Light breeze
19.10.2025	20.10.2025	298	179	50	17	13	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

COLONY HEALTH CENTER KMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08.10.2025	09.10.2025	71	25	10	BDL		Cloudy sky / Light breeze
09.10.2025	10.10.2025	65	22	9	BDL		Cloudy sky / Light breeze
13.10.2025	14.10.2025	77	26	11	BDL		Cloudy sky / Light breeze
17.10.2025	18.10.2025	80	28	13	10		Cloudy sky / Calm
22.10.2025	23.10.2025	69	23	8	BDL		Cloudy sky / Calm
23.10.2025	24.10.2025	82	30	14	11		Cloudy sky / Calm
28.10.2025	29.10.2025	83	33	16	12		Cloudy sky / Calm
29.10.2025	30.10.2025	74	27	9	BDL		Cloudy sky / Calm
NAAQS, 2009		100	60	80	80		

AMBARA VILLAGE KMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
06.10.2025	07.10.2025	81	30	13	11		Cloudy sky / Light breeze
07.10.2025	08.10.2025	75	26	7	BDL		Cloudy sky / Light breeze
11.10.2025	12.10.2025	67	22	7	BDL		Cloudy sky / Light breeze
12.10.2025	13.10.2025	76	27	8	BDL		Cloudy sky / Light breeze
20.10.2025	21.10.2025	69	23	7	BDL		Cloudy sky / Calm
21.10.2025	22.10.2025	64	20	6	BDL		Cloudy sky / Calm
26.10.2025	27.10.2025	78	28	12	10		Cloudy sky / Calm
27.10.2025	28.10.2025	66	24	8	BDL		Cloudy sky / Calm
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

MANAGER OFFICE CHP KAUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
30.10.2025	31.10.2025	386	272	CLEAR / CALM

PALACHURI KAUF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
30.10.2025	31.10.2025	372	265	CLEAR / CALM



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: KAOW				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.10.2025	4.42	17	28	BDL
20.10.2025	4.13	19	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE:		KMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'25	11.10.2025	68.3	65.5
OCT'25	29.10.2025	68.4	66.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MOHAN MAORI):		KMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'25	11.10.2025	43.4	41.6
OCT'25	29.10.2025	42.3	39.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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TEST REPORT NO.	RIN/TR/OCT-25/73	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

SAM OFFICE- NANDAN I UG KNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.10.2025	06.10.2025	324	196	58	23	16	Cloudy sky / Light Breeze
24.10.2025	25.10.2025	312	187	51	18	14	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

PIT OFFICE NANADAN II UG KNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.10.2025	06.10.2025	296	175	47	17	14	Cloudy sky / Light Breeze
24.10.2025	25.10.2025	287	160	43	15	13	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

HEALTH CENTER-NANADAN UG KNUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08.10.2025	09.10.2025	78	27	8	BDL	Cloudy sky / Light breeze	
09.10.2025	10.10.2025	81	30	11	10	Cloudy sky / Light breeze	
13.10.2025	14.10.2025	76	25	7	BDL	Cloudy sky / Light breeze	
17.10.2025	18.10.2025	65	22	6	BDL	Cloudy sky / Calm	
22.10.2025	23.10.2025	69	23	7	BDL	Cloudy sky / Calm	
23.10.2025	24.10.2025	80	29	10	BDL	Cloudy sky / Calm	
28.10.2025	29.10.2025	77	26	8	BDL	Cloudy sky / Calm	
29.10.2025	30.10.2025	85	34	13	11	Cloudy sky / Calm	
NAAQS, 2009		100	60	80	80		

NANDAN WATER FILTER PLANT KNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08.10.2025	09.10.2025	68	23	7	BDL	Cloudy sky / Light breeze	
09.10.2025	10.10.2025	70	24	8	BDL	Cloudy sky / Light breeze	
13.10.2025	14.10.2025	75	25	9	BDL	Cloudy sky / Light breeze	
17.10.2025	18.10.2025	77	28	9	BDL	Cloudy sky / Calm	
22.10.2025	23.10.2025	80	32	11	10	Cloudy sky / Calm	
23.10.2025	24.10.2025	82	34	12	11	Cloudy sky / Calm	
28.10.2025	29.10.2025	85	36	13	12	Cloudy sky / Calm	
29.10.2025	30.10.2025	81	31	10	BDL	Cloudy sky / Calm	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: KNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.10.2025	7.81	29	44	BDL
18.10.2025	7.72	31	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE UG II: KNUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11.10.2025	67.4	64.6
OCT'25	29.10.2025	52.2	50.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: KNUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	11.10.2025	44.5	43.7
OCT'25	29.10.2025	43.4	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

SHARDA UG

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



OCTOBER 2025

Environment Laboratory
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CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/OCT-25/74a	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

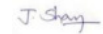
INCLINE SHARDA KSUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.10.2025	04.10.2025	5	5	2	6	10	Cloudy sky / Light breeze
18.10.2025	19.10.2025	289	177	48	16	13	Clear sky / Calm
		306	189	55	21	15	
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

UMARIA FADALI VILLAGE KSUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08.10.2025	09.10.2025	5	2	6	10	Cloudy sky / Light breeze	
09.10.2025	10.10.2025	73	23	8	BDL	Cloudy sky / Light breeze	
13.10.2025	14.10.2025	76	25	9	BDL	Cloudy sky / Light breeze	
17.10.2025	18.10.2025	80	30	11	BDL	Cloudy sky / Light breeze	
22.10.2025	23.10.2025	65	21	7	BDL	Cloudy sky / Calm	
23.10.2025	24.10.2025	83	31	13	10	Cloudy sky / Calm	
28.10.2025	29.10.2025	85	35	15	11	Cloudy sky / Calm	
29.10.2025	30.10.2025	79	28	9	BDL	Cloudy sky / Calm	
		67	22	8	BDL	Cloudy sky / Calm	
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		100	60	80	80		

TATARWADA VILLAGE KSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08.10.2025	09.10.2025	5	2	6	10	Cloudy sky / Light breeze	
09.10.2025	10.10.2025	81	29	12	10	Cloudy sky / Light breeze	
13.10.2025	14.10.2025	74	26	8	BDL	Cloudy sky / Light breeze	
17.10.2025	18.10.2025	72	25	7	BDL	Cloudy sky / Light breeze	
22.10.2025	23.10.2025	66	23	6	BDL	Cloudy sky / Calm	
23.10.2025	24.10.2025	69	24	7	BDL	Cloudy sky / Calm	
28.10.2025	29.10.2025	84	32	14	12	Cloudy sky / Calm	
29.10.2025	30.10.2025	77	28	8	BDL	Cloudy sky / Calm	
		68	24	7	BDL	Cloudy sky / Calm	
NAAQS, 2009		100	60	80	80		

JAMUNBADA DARBAR VILLAGE KSUA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
08.10.2025	09.10.2025	75	27	9	BDL	Cloudy sky / Light breeze
09.10.2025	10.10.2025	70	25	8	BDL	Cloudy sky / Light breeze
13.10.2025	14.10.2025	63	20	7	BDL	Cloudy sky / Light breeze
17.10.2025	18.10.2025	67	22	8	BDL	Cloudy sky / Calm
22.10.2025	23.10.2025	81	31	12	11	Cloudy sky / Calm
23.10.2025	24.10.2025	85	36	15	13	Cloudy sky / Calm
28.10.2025	29.10.2025	73	26	7	BDL	Cloudy sky / Calm
29.10.2025	30.10.2025	82	32	11	BDL	Cloudy sky / Calm
NAAQS, 2009		100	60	80	80	

STORE KSUA5							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03.10.2025	04.10.2025	295	172	47	17	14	Cloudy sky / Light breeze
18.10.2025	19.10.2025	314	183	53	22	16	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

WEIGH BRIDGE KSUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
30.10.2025	31.10.2025	365	256	CLEAR / CALM



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: KSUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.10.2025	7.36	25	28	BDL
18.10.2025	7.47	27	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

NEAR PIT OFFICE		KSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'25	11.10.2025	46.5	43.7
OCT'25	29.10.2025	51.3	49.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

UMARIA FADALI VILLAGE		KSUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'25	11.10.2025	42.2	40.3
OCT'25	29.10.2025	41.3	38.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

TATARWADA VILLAGE		KSUN3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'25	11.10.2025	42.2	39.4
OCT'25	29.10.2025	43.4	39.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

TANDSI UG

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



OCTOBER 2025

Environment Laboratory
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REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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TEST REPORT NO.	RIN/TR/OCT-25/74	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

WORKSHOP KTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.10.2025	11.10.2025	335	186	53	23	17	Cloudy sky / Light breeze
25.10.2025	26.10.2025	313	173	49	19	15	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

LAMP ROOM KTUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.10.2025	11.10.2025	319	165	50	21	16	Cloudy sky / Light breeze
25.10.2025	26.10.2025	296	156	46	17	13	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

COLONY NEAR HEALTH CENTER KTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05.10.2025	06.10.2025	80	30	13	10	Cloudy sky / Light breeze	
25.10.2025	26.10.2025	73	26	11	BDL	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		

JET HOSTEL KTUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
10.10.2025	11.10.2025	75	29	12	BDL	Cloudy sky / Light breeze	
25.10.2025	26.10.2025	83	32	14	11	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE:		KTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'25	11.10.2025	67.2	64.3
OCT'25	29.10.2025	60.3	58.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(TANDSI):		KTUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'25	11.10.2025	43.3	41.6
OCT'25	29.10.2025	43.2	40.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

AREA HOSPITAL

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



OCTOBER 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/OCT-25/76		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-10-25 TO 15-11-25	

AREA HOSPITAL PKSUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
08.10.2025	09.10.2025	83	45	16	BDL	CLOUDY/CALM
09.10.2025	10.10.2025	75	38	14	BDL	CLOUDY/CALM
14.10.2025	15.10.2025	81	37	17	10	CLOUDY/CALM
17.10.2025	18.10.2025	76	42	15	BDL	CLOUDY/CALM
22.10.2025	23.10.2025	69	34	16	BDL	CLOUDY/CALM
23.10.2025	24.10.2025	82	39	15	BDL	CLOUDY/CALM
26.10.2025	27.10.2025	77	40	16	BDL	CLOUDY/CALM
27.10.2025	28.10.2025	74	37	17	11	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		100	60	80	80	

AGM OFFICE PKSUA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
06.10.2025	07.10.2025	75	35	15	BDL	CLOUDY/CALM
07.10.2025	08.10.2025	78	37	16	10	CLOUDY/CALM
12.10.2025	13.10.2025	81	42	14	BDL	CLOUDY/CALM
13.10.2025	14.10.2025	76	37	15	BDL	CLOUDY/CALM
20.10.2025	21.10.2025	76	34	16	BDL	CLOUDY/CALM
21.10.2025	22.10.2025	82	31	14	BDL	CLOUDY/CALM
24.10.2025	25.10.2025	73	38	15	BDL	CLOUDY/CALM
25.10.2025	26.10.2025	69	33	16	11	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		100	60	80	80	

PATHAKHERA COLONY PKSUA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
06.10.2025	07.10.2025	83	41	17	10	CLOUDY/CALM
07.10.2025	08.10.2025	77	43	18	12	CLOUDY/CALM
12.10.2025	13.10.2025	69	35	16	BDL	CLOUDY/CALM
13.10.2025	14.10.2025	77	39	18	BDL	CLOUDY/CALM
20.10.2025	21.10.2025	84	37	16	BDL	CLOUDY/CALM
21.10.2025	22.10.2025	77	42	18	11	CLOUDY/CALM
24.10.2025	25.10.2025	80	38	15	BDL	CLOUDY/CALM
25.10.2025	26.10.2025	78	46	16	BDL	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		100	60	80	80	



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

COLONY(SARNI):		PKSUN2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	09.10.2025	43.4	41.7
OCT'25	27.10.2025	42.3	40.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

AREA HOSPITAL		PKSUN3	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	09.10.2025	42.8	40.1
OCT'25	27.10.2025	43.9	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


Yogesh Pidurkar
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ENVIRONMENTAL MONITORING REPORT

CHATTARPUR I & II UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



OCTOBER 2025

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/OCT-25/75	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

CANTEEN BUILDING PKCUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM 5	PM ₁₀ 5	PM _{2.5} 2	NO ₂ 6	SO ₂ 10	
03.10.2025	04.10.2025	327	202	63	24	13	CLOUDY/CALM
18.10.2025	19.10.2025	289	187	58	21	11	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

UNIT STORE PKCUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM 5	PM ₁₀ 5	PM _{2.5} 2	NO ₂ 6	SO ₂ 10	
03.10.2025	04.10.2025	338	214	66	25	12	CLOUDY/CALM
18.10.2025	19.10.2025	308	194	62	22	10	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

REGIONAL WORKSHOP PKCUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀ 5	PM _{2.5} 2	NO ₂ 6	SO ₂ 10		
06.10.2025	07.10.2025	78	38	15	BDL	CLOUDY/CALM	
07.10.2025	08.10.2025	68	42	16	10	CLOUDY/CALM	
12.10.2025	13.10.2025	73	43	14	BDL	CLOUDY/CALM	
13.10.2025	14.10.2025	69	34	17	12	CLOUDY/CALM	
20.10.2025	21.10.2025	75	41	18	BDL	CLOUDY/CALM	
21.10.2025	22.10.2025	77	35	16	BDL	CLOUDY/CALM	
24.10.2025	25.10.2025	83	38	18	11	CLOUDY/CALM	
25.10.2025	26.10.2025	79	41	15	BDL	CLOUDY/CALM	
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		100	60	80	80		

CHATTARPUR VILLAGE PKCUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀ 5	PM _{2.5} 2	NO ₂ 6	SO ₂ 10		
06.10.2025	07.10.2025	75	43	15	BDL	CLOUDY/CALM	
07.10.2025	08.10.2025	68	38	17	BDL	CLOUDY/CALM	
12.10.2025	13.10.2025	74	34	18	11	CLOUDY/CALM	
13.10.2025	14.10.2025	86	37	16	BDL	CLOUDY/CALM	
20.10.2025	21.10.2025	75	38	15	BDL	CLOUDY/CALM	
21.10.2025	22.10.2025	82	41	17	BDL	CLOUDY/CALM	
24.10.2025	25.10.2025	78	35	15	BDL	CLOUDY/CALM	
25.10.2025	26.10.2025	71	40	18	12	CLOUDY/CALM	
		100	60	80	80		


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

COAL STOCK BUNKER -I PCHUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
19.10.2025	20.10.2025	489	276	CLOUDY/CALM



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE WATER DISCHARGE-I UG:		PKCUW1			
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS				
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)	TDS -mg/l
DETECTION LIMIT	2	10	4	2	25
11.10.2025	7.57	52	36	BDL	688
29.10.2025	7.9	38	32	BDL	634
STANDARDS FOR COAL MINE, GSR 742E. dt.	5.5 - 9.0	100	250	10	2000



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE-I UG:		PKCUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	09.10.2025	72.4	69.9
OCT'25	27.10.2025	72.9	68.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SHOBHAPUR COLONY:		PKCUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	09.10.2025	43.2	41.4
OCT'25	27.10.2025	43.7	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

TAWA-II UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



OCTOBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/78	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

CANTEEN BUILDING II PKT2UA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	5	10	
04.10.2025	05.10.2025	328	208	63	23	11	CLOUDY/CALM
18.10.2025	19.10.2025	285	177	56	21	10	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

SAM OFFICE PKTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	5	10	
04.10.2025	05.10.2025	329	209	64	25	12	CLOUDY/CALM
18.10.2025	19.10.2025	304	201	60	22	10	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

MPFB COLONY PKTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08.10.2025	09.10.2025	77	33	15	BDL	CLOUDY/CALM	
09.10.2025	10.10.2025	79	42	14	BDL	CLOUDY/CALM	
14.10.2025	15.10.2025	85	35	16	BDL	CLOUDY/CALM	
17.10.2025	18.10.2025	72	42	18	10	CLOUDY/CALM	
22.10.2025	23.10.2025	83	34	17	11	CLOUDY/CALM	
23.10.2025	24.10.2025	68	31	16	BDL	CLOUDY/CALM	
26.10.2025	27.10.2025	73	37	15	BDL	CLOUDY/CALM	
27.10.2025	28.10.2025	88	36	16	BDL	CLOUDY/CALM	
		100	60	80	80		

HIRA PALLA/BHAGAIKHAPA VILLAGE PKT2UA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08.10.2025	09.10.2025	72	34	15	BDL	CLOUDY/CALM	
09.10.2025	10.10.2025	76	43	19	12	CLOUDY/CALM	
14.10.2025	15.10.2025	74	38	17	11	CLOUDY/CALM	
17.10.2025	18.10.2025	68	43	15	BDL	CLOUDY/CALM	
22.10.2025	23.10.2025	70	37	16	BDL	CLOUDY/CALM	
23.10.2025	24.10.2025	84	42	18	10	CLOUDY/CALM	
26.10.2025	27.10.2025	86	38	15	BDL	CLOUDY/CALM	
27.10.2025	28.10.2025	72	37	16	BDL	CLOUDY/CALM	
		100	60	80	80		



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

NEAR COAL STOCK BUNKER					PKTUJ1	
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS		(24 hourly values in µg/m³)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM				
FROM	TO	s	s			
19.10.2025	20.10.2025	475	264	CLOUDY/CALM		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: PKTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.10.2025	8.17	56	44	BDL
29.10.2025	8.11	48	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE:		PKTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'25	09.10.2025	20	20
OCT'25	27.10.2025	70.8	69.2
OCT'25	27.10.2025	71.8	68.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

PATHAKHERA COLONY(TAWA):		PKTUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'25	09.10.2025	20	20
OCT'25	27.10.2025	44.2	40.3
OCT'25	27.10.2025	44.5	42.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

TAWA UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

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OCTOBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/OCT-25/79	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

SAM OFFICE PKTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.10.2025	04.10.2025	349	213	64	25	11	CLOUDY/CALM
18.10.2025	19.10.2025	312	207	59	22	10	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

PIT OFFICE PKT2UA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.10.2025	05.10.2025	346	232	66	24	12	CLOUDY/CALM
18.10.2025	19.10.2025	310	218	61	21	10	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

MPEB COLONY PKTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08.10.2025	09.10.2025	77	33	15	BDL		CLOUDY/CALM
09.10.2025	10.10.2025	79	42	14	BDL		CLOUDY/CALM
14.10.2025	15.10.2025	85	35	16	BDL		CLOUDY/CALM
17.10.2025	18.10.2025	72	42	18	10		CLOUDY/CALM
22.10.2025	23.10.2025	83	34	17	11		CLOUDY/CALM
23.10.2025	24.10.2025	68	31	16	BDL		CLOUDY/CALM
26.10.2025	27.10.2025	73	37	15	BDL		CLOUDY/CALM
27.10.2025	28.10.2025	88	36	16	BDL		CLOUDY/CALM
		100	60	80	80		

HIRA PALLA/BHAGAIKHAPA VILLAGE PKT2UA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08.10.2025	09.10.2025	72	34	15	BDL		CLOUDY/CALM
09.10.2025	10.10.2025	76	43	19	12		CLOUDY/CALM
14.10.2025	15.10.2025	74	38	17	11		CLOUDY/CALM
17.10.2025	18.10.2025	68	43	15	BDL		CLOUDY/CALM
22.10.2025	23.10.2025	70	37	16	BDL		CLOUDY/CALM
23.10.2025	24.10.2025	84	42	18	10		CLOUDY/CALM
26.10.2025	27.10.2025	86	38	15	BDL		CLOUDY/CALM
27.10.2025	28.10.2025	72	37	16	BDL		CLOUDY/CALM
		100	60	80	80		



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

NEAR COAL STOCK BUNKER				PKTUN1	
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)	
		SPM	PM ₁₀		
FROM	TO	5	5		
19.10.2025	20.10.2025	479	244	CLOUDY/CALM	



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: PKTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.10.2025	7.99	58	44	BDL
29.10.2025	8.07	46	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE: PKTUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	09.10.2025	71.6	69.0
OCT'25	27.10.2025	71.7	69.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

PATHAKHERA COLONY(TAWA): PKTUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	09.10.2025	44.2	40.3
OCT'25	27.10.2025	44.5	42.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

BARKUHI OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



OCTOBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/OCT-25/54		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)				
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-10-25 TO 15-11-25	

MANAGER OFFICE PBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10.10.2025	11.10.2025	298	182	46	19	13	cloudy sky / calm
25.10.2025	26.10.2025	256	164	39	16	11	cloudy sky / calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SAM OFFICE PBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10.10.2025	11.10.2025	235	143	34	14	12	cloudy sky / calm
25.10.2025	26.10.2025	254	169	47	15	11	cloudy sky / calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

CHANDAMETA WORKSHOP PCWA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10.10.2025	11.10.2025	284	177	48	19	13	cloudy sky / calm
25.10.2025	26.10.2025	261	168	32	16	10	cloudy sky / calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

CENTRAL SCHOOL			PBOA4			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
10.10.2025	11.10.2025	74	31	12	BDL	cloudy sky / calm
25.10.2025	26.10.2025	55	20	8	BDL	cloudy sky / calm
NAAQS, 2009		100	60	80	80	


Analysed by


Yogesh Pidurkar
Reviewed by


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ENVIRONMENTAL MONITORING REPORT

BG SIDING

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



OCTOBER 2025

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JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/OCT-25/59a	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

MANAGER OFFICE PBGSA1		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10.10.2025	11.10.2025	272	152	39	22	10	CLOUDY SKY/CALM
28.10.2025	29.10.2025	298	189	55	18	13	CLOUDY SKY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

CHECK POST PBGSA2		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
11.10.2025	12.11.2025	314	210	55	26	15	CLOUDY SKY/CALM
28.10.2025	29.10.2025	326	234	59	28	14	CLOUDY SKY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

GUEST HOUSE PARASIA PMUA3		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
06.10.2025	07.10.2025	88	39	11	BDL	Cloudy sky / Calm
07.10.2025	08.10.2025	66	22	9	BDL	Cloudy sky / Calm
11.10.2025	12.10.2025	72	32	8	BDL	Cloudy sky / Calm
12.10.2025	13.10.2025	82	36	10	BDL	Cloudy sky / Calm
20.10.2025	21.10.2025	70	22	9	BDL	Cloudy sky / Calm
21.10.2025	22.10.2025	59	28	7	BDL	Cloudy sky / Calm
26.10.2025	27.10.2025	71	25	9	BDL	Cloudy sky / Calm
27.10.2025	28.10.2025	65	18	8	BDL	Cloudy sky / Calm
NAAQS, 2009		100	60	80	80	

COLONY EDC DISPENSARY PMUA4		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
06.10.2025	07.10.2025	69	25	10	BDL	Cloudy sky / Calm
07.10.2025	08.10.2025	70	32	9	BDL	Cloudy sky / Calm
11.10.2025	12.10.2025	82	34	8	BDL	Cloudy sky / Calm
12.10.2025	13.10.2025	77	28	9	BDL	Cloudy sky / Calm
20.10.2025	21.10.2025	78	33	10	BDL	Cloudy sky / Calm
21.10.2025	22.10.2025	62	30	10	BDL	Cloudy sky / Calm
26.10.2025	27.10.2025	71	29	8	BDL	Cloudy sky / Calm
27.10.2025	28.10.2025	80	37	9	BDL	Cloudy sky / Calm
NAAQS, 2009		100	60	80	80	


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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

Weigh Bridge BG Siding				PBGSF1
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
29.10.2025	30.10.2025	457	351	clear sky / calm



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

MANAGER OFFICE		PBGSN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'25	12.10.2025	46.5	44.2
OCT'25	25.10.2025	47.6	45.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY GUEST HOUSE PARASIA		PMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'25	12.10.2025	43.3	41.4
OCT'25	25.10.2025	45.7	44.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


Yogesh Pidurkar
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ENVIRONMENTAL MONITORING REPORT

CHANDAMETA WORKSHOP

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



OCTOBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/OCT-25/55	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

CHANDAMETA WORKSHOP				PCWA1			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10.10.2025	11.10.2025	284	177	48	19	13	cloudy sky / calm
25.10.2025	26.10.2025	261	168	32	16	10	cloudy sky / calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

ETP DISCHARGE:		PCWW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.10.2025	7.84	24	40	BDL
26.10.2025	7.65	18	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

NEAR CHANDAMETA WORKSHOP: PCWN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	19.10.2025	43.2	42.1
OCT'25	25.10.2025	46.7	45.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70


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ENVIRONMENTAL MONITORING REPORT

CHINDA OC

PENCH AREA

WESTERN COALFIELDS LTD.

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OCTOBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/OCT-25/56	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO ₂ : IS 5182 (Part-06), SO ₂ :IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

SAM OFFICE PCOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
05.10.2025	06.10.2025	254	162	39	16	BDL	CLOUDY SKY / CALM
24.10.2025	25.10.2025	198	137	32	14	BDL	CLOUDY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

CHINDA OC - SITE PCOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
05.10.2025	06.10.2025	277	164	45	16	10	CLOUDY SKY / CALM
24.10.2025	25.10.2025	298	178	57	21	14	CLOUDY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

CHINDA VILLAGE PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
06.10.2025	07.10.2025	66	22	8	BDL		CLOUDY SKY / CALM
07.10.2025	08.10.2025	69	30	9	BDL		CLOUDY SKY / CALM
12.10.2025	13.10.2025	72	29	8	BDL		CLOUDY SKY / CALM
13.10.2025	14.10.2025	55	26	10	BDL		CLOUDY SKY / CALM
20.10.2025	21.10.2025	72	32	8	BDL		CLOUDY SKY / CALM
21.10.2025	22.10.2025	68	27	7	BDL		CLOUDY SKY / CALM
26.10.2025	27.10.2025	70	32	9	BDL		CLOUDY SKY / CALM
27.10.2025	28.10.2025	60	28	8	BDL		CLOUDY SKY / CALM
NAAQS, 2009		100	60	80	80		

CHINDA COLONY PNSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
06.10.2025	07.10.2025	71	29	10	BDL		CLOUDY SKY / CALM
07.10.2025	08.10.2025	66	30	9	BDL		CLOUDY SKY / CALM
12.10.2025	13.10.2025	82	26	8	BDL		CLOUDY SKY / CALM
13.10.2025	14.10.2025	70	28	11	BDL		CLOUDY SKY / CALM
20.10.2025	21.10.2025	66	31	12	BDL		CLOUDY SKY / CALM
21.10.2025	22.10.2025	59	29	9	BDL		CLOUDY SKY / CALM
26.10.2025	27.10.2025	79	32	11	BDL		CLOUDY SKY / CALM
27.10.2025	28.10.2025	65	22	12	BDL		CLOUDY SKY / CALM
NAAQS, 2009		100	60	80	80		


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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

WEIGH BRIDGE			PVUF1	
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
23.10.2025	24.10.2025	442	312	CLEAR/CALM



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C, O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: PCOW1		ANALYSIS RESULTS			
DATE OF SAMPLE COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)	
DETECTION LIMIT	2	10	4	2	
06.10.2025	7.62	22	44	BDL	
25.10.2025	7.80	24	52	BDL	
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10	



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

NEAR MANAGER OFFICE: PCON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	12.10.2025	45.8	44.2
OCT'25	25.10.2025	47.9	45.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY CHINDA: PCON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	12.10.2025	43.3	42.2
OCT'25	25.10.2025	45.2	44.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/66a	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

CHARUN KHAPA PDU1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	2	6	10	
08.10.2025	09.10.2025	68	24	8	BDL	CLEAR SKY /CALM
09.10.2025	10.10.2025	52	22	9	BDL	CLEAR SKY /CALM
14.10.2025	15.10.2025	69	28	7	BDL	CLEAR SKY /CALM
17.10.2025	18.10.2025	60	26	8	BDL	CLEAR SKY /CALM
22.10.2025	23.10.2025	77	29	9	BDL	CLEAR SKY /CALM
23.10.2025	24.10.2025	69	28	9	BDL	CLEAR SKY /CALM
28.10.2025	29.10.2025	65	23	8	BDL	CLEAR SKY /CALM
29.10.2025	30.10.2025	56	21	8	BDL	CLEAR SKY /CALM
NAAQS, 2009		100	60	80	80	

BANKI VILLAGE PDU2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	2	6	10	
08.10.2025	09.10.2025	72	35	10	BDL	CLEAR SKY /CALM
09.10.2025	10.10.2025	54	21	8	BDL	CLEAR SKY /CALM
14.10.2025	15.10.2025	69	32	11	BDL	CLEAR SKY /CALM
17.10.2025	18.10.2025	51	26	9	BDL	CLEAR SKY /CALM
22.10.2025	23.10.2025	56	22	12	BDL	CLEAR SKY /CALM
23.10.2025	24.10.2025	70	21	8	BDL	CLEAR SKY /CALM
28.10.2025	29.10.2025	65	23	9	BDL	CLEAR SKY /CALM
29.10.2025	30.10.2025	72	29	10	BDL	CLEAR SKY /CALM
NAAQS, 2009		100	60	80	80	

MANAGER OFFICE PDU3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	
		5	5	2	6	10
03.10.2025	04.10.2025	254	132	32	12	BDL
18.10.2025	19.10.2025	289	178	45	16	10
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120

SUBSTATION OFFICE PDU4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	
		5	5	2	6	10
03.10.2025	04.10.2025	277	169	40	19	12
18.10.2025	19.10.2025	247	143	31	15	10
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C, O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: PDUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04.10.2025	7.65	14	28	BDL
19.10.2025	7.82	22	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

BHUMKADHANA VILLAGE		PDUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	12.10.2025	43.6	41.3
OCT'25	25.10.2025	44.7	43.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

MANAGER OFFICE		PDUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	12.10.2025	45.1	44.2
OCT'25	25.10.2025	47.2	46.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SUBSTATION		PDUN3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	12.10.2025	46.2	45.2
OCT'25	25.10.2025	47.9	45.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70


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ENVIRONMENTAL MONITORING REPORT

EDC SIDING

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OCTOBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/OCT-25/59b	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

MANAGER OFFICE PEDCA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
11.10.2025	12.10.2025	298	177	54	21	15	CLEAR SKY / CALM
28.10.2025	29.10.2025	326	234	62	27	16	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

CHECK POST PEDCA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
11.10.2025	12.10.2025	276	174	52	20	13	CLEAR SKY / CALM
28.10.2025	29.10.2025	254	167	45	18	12	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

GUEST HOUSE PARASIA PMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
06.10.2025	07.10.2025	88	39	11	BDL	Cloudy sky / Calm	
07.10.2025	08.10.2025	66	22	9	BDL	Cloudy sky / Calm	
11.10.2025	12.10.2025	72	32	8	BDL	Cloudy sky / Calm	
12.10.2025	13.10.2025	82	36	10	BDL	Cloudy sky / Calm	
20.10.2025	21.10.2025	70	22	9	BDL	Cloudy sky / Calm	
21.10.2025	22.10.2025	59	28	7	BDL	Cloudy sky / Calm	
26.10.2025	27.10.2025	71	25	9	BDL	Cloudy sky / Calm	
27.10.2025	28.10.2025	65	18	8	BDL	Cloudy sky / Calm	
NAAQS, 2009		100	60	80	80		

COLONY EDC DISPENSARY PMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
06.10.2025	07.10.2025	69	25	10	BDL	Cloudy sky / Calm	
07.10.2025	08.10.2025	70	32	9	BDL	Cloudy sky / Calm	
11.10.2025	12.10.2025	82	34	8	BDL	Cloudy sky / Calm	
12.10.2025	13.10.2025	77	28	9	BDL	Cloudy sky / Calm	
20.10.2025	21.10.2025	78	33	10	BDL	Cloudy sky / Calm	
21.10.2025	22.10.2025	62	30	10	BDL	Cloudy sky / Calm	
26.10.2025	27.10.2025	71	29	8	BDL	Cloudy sky / Calm	
27.10.2025	28.10.2025	80	37	9	BDL	Cloudy sky / Calm	
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

Weigh Bridge EDC Siding		PEDCF1	
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)	
		SPM	PM ₁₀
FROM	TO	5	5
29.10.2025	30.10.2025	441	325
		ENVIRONMENT CONDITIONS (Sky/Wind)	
		CLEAR/CALM	



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

MANAGER OFFICE		PEDCN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'25	12.10.2025	46.1	44.6
OCT'25	25.10.2025	47.9	45.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY GUEST HOUSE PARASIA		PMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'25	12.10.2025	43.3	41.4
OCT'25	25.10.2025	45.7	44.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

JAMUNIA UG

PENCH AREA

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OCTOBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/58	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

MANAGER OFFICE PJUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
03.10.2025	04.10.2025	266	160	44	15	11
18.10.2025	19.10.2025	289	189	56	19	13
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120

SUBSTATION PJUA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
03.10.2025	04.10.2025	245	156	28	13	BDL
18.10.2025	19.10.2025	273	160	32	10	BDL
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120

JAMUNIA VILLAGE PJUA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
08.10.2025	09.10.2025	66	21	8	BDL	CLOUDY SKY / CALM
09.10.2025	10.10.2025	76	29	9	BDL	CLOUDY SKY / CALM
14.10.2025	15.10.2025	79	34	8	BDL	CLOUDY SKY / CALM
17.10.2025	18.10.2025	62	26	9	BDL	CLOUDY SKY / CALM
22.10.2025	23.10.2025	55	21	8	BDL	CLOUDY SKY / CALM
23.10.2025	24.10.2025	65	30	9	BDL	CLOUDY SKY / CALM
28.10.2025	29.10.2025	72	22	10	BDL	CLOUDY SKY / CALM
29.10.2025	30.10.2025	55	18	11	BDL	CLOUDY SKY / CALM
NAAQS, 2009		100	60	80	80	

BOKAI TOWNSHIP PNUA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
08.10.2025	09.10.2025	82	26	11	BDL	CLOUDY SKY / CALM
09.10.2025	10.10.2025	77	27	9	BDL	CLOUDY SKY / CALM
14.10.2025	15.10.2025	72	33	9	BDL	CLOUDY SKY / CALM
17.10.2025	18.10.2025	69	36	8	BDL	CLOUDY SKY / CALM
22.10.2025	23.10.2025	70	34	9	BDL	CLOUDY SKY / CALM
23.10.2025	24.10.2025	82	31	7	BDL	CLOUDY SKY / CALM
28.10.2025	29.10.2025	76	22	11	BDL	CLOUDY SKY / CALM
29.10.2025	30.10.2025	66	32	13	BDL	CLOUDY SKY / CALM
NAAQS, 2009		100	60	80	80	



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: PJUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	12.10.2025	44.6	42.9
OCT'25	25.10.2025	44.9	43.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70


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PENCH AREA

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TEST REPORT NO.	RIN/TR/OCT-25/59	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

MANAGER OFFICE		PMUA1					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.10.2025	11.10.2025	302	204	58	21	14	CLOUDY SKY / CALM
28.10.2025	29.10.2025	198	127	36	19	11	CLOUDY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

LAMP ROOM		PMUA2					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.10.2025	11.10.2025	182	121	36	15	BDL	CLOUDY SKY / CALM
29.10.2025	30.10.2025	221	135	32	16	BDL	CLOUDY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

GUEST HOUSE PARASIA		PMUA3					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06.10.2025	07.10.2025	88	39	11	BDL		Cloudy sky / Calm
07.10.2025	08.10.2025	66	22	9	BDL		Cloudy sky / Calm
11.10.2025	12.10.2025	72	32	8	BDL		Cloudy sky / Calm
12.10.2025	13.10.2025	82	36	10	BDL		Cloudy sky / Calm
20.10.2025	21.10.2025	70	22	9	BDL		Cloudy sky / Calm
21.10.2025	22.10.2025	59	28	7	BDL		Cloudy sky / Calm
26.10.2025	27.10.2025	71	25	9	BDL		Cloudy sky / Calm
27.10.2025	28.10.2025	65	18	8	BDL		Cloudy sky / Calm
NAAQS, 2009		100	60	80	80		

COLONY EDC DISPENSARY		PMUA4					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06.10.2025	07.10.2025	69	25	10	BDL		Cloudy sky / Calm
07.10.2025	08.10.2025	70	32	9	BDL		Cloudy sky / Calm
11.10.2025	12.10.2025	82	34	8	BDL		Cloudy sky / Calm
12.10.2025	13.10.2025	77	28	9	BDL		Cloudy sky / Calm
20.10.2025	21.10.2025	78	33	10	BDL		Cloudy sky / Calm
21.10.2025	22.10.2025	62	30	10	BDL		Cloudy sky / Calm
26.10.2025	27.10.2025	71	29	8	BDL		Cloudy sky / Calm
27.10.2025	28.10.2025	80	37	9	BDL		Cloudy sky / Calm
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

COAL STOCK BUNKAR			PMUF1	
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
29.10.2025	30.10.2025	412	342	Cloudy sky / Calm



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: PMUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.10.2025	7.55	18	32	BDL
29.10.2025	8.04	22	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE: PMUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	12.10.2025	68.4	66.2
OCT'25	25.10.2025	69.2	68.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PMUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	12.10.2025	43.3	41.4
OCT'25	25.10.2025	45.7	44.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/60	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

SAM OFFICE PNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.10.2025	05.10.2025	277	177	40	18	11	CLOUDY SKY/ CALM
19.10.2025	20.10.2025	254	149	36	15	10	CLOUDY SKY/ CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

LAMP ROOM/ SUBSTATION PNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.10.2025	05.10.2025	233	143	36	15	BDL	CLOUDY SKY/ CALM
19.10.2025	20.10.2025	197	121	32	12	BDL	CLOUDY SKY/ CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

NEHARIA VILLAGE PNUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08.10.2025	09.10.2025	60	22	10	BDL	CLOUDY SKY / CALM	
09.10.2025	10.10.2025	68	30	8	BDL	CLOUDY SKY / CALM	
14.10.2025	15.10.2025	75	31	9	BDL	CLOUDY SKY / CALM	
17.10.2025	18.10.2025	79	34	12	BDL	CLOUDY SKY / CALM	
22.10.2025	23.10.2025	80	30	9	BDL	CLOUDY SKY / CALM	
23.10.2025	24.10.2025	55	33	11	BDL	CLOUDY SKY / CALM	
28.10.2025	29.10.2025	69	24	8	BDL	CLOUDY SKY / CALM	
29.10.2025	30.10.2025	61	22	9	BDL	CLOUDY SKY / CALM	
NAAQS, 2009		100	60	80	80		

BOKAI TOWNSHIP PNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08.10.2025	09.10.2025	82	26	11	BDL	CLOUDY SKY / CALM	
09.10.2025	10.10.2025	77	27	9	BDL	CLOUDY SKY / CALM	
14.10.2025	15.10.2025	72	33	9	BDL	CLOUDY SKY / CALM	
17.10.2025	18.10.2025	69	36	8	BDL	CLOUDY SKY / CALM	
22.10.2025	23.10.2025	70	34	9	BDL	CLOUDY SKY / CALM	
23.10.2025	24.10.2025	82	31	7	BDL	CLOUDY SKY / CALM	
28.10.2025	29.10.2025	76	22	11	BDL	CLOUDY SKY / CALM	
29.10.2025	30.10.2025	66	32	13	BDL	CLOUDY SKY / CALM	
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

COAL STCOK BUNKER PNUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
17.10.2025	18.10.2025	410	312	CLEAR SKY / CALM



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: PNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05.10.2025	7.72	18	32	BDL
20.10.2025	7.98	22	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: PNUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05.10.2025	7.77	22	40	BDL
20.10.2025	7.62	16	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE: PNUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	12.10.2025	69.1	67.6
OCT'25	25.10.2025	69.2	68.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PNUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	12.10.2025	44.4	43.2
OCT'25	25.10.2025	45.7	44.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

NEW SETHIA OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



OCTOBER 2025

Environment Laboratory
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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TEST REPORT NO.	RIN/TR/OCT-25/61	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

NEW SETHIA OC SITE PNSOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10.10.2025	11.10.2025	257	169	39	15	10	CLOUDY SKY / CALM
25.10.2025	26-20-2025	277	182	48	21	13	CLOUDY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SAM OFFICE PCOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05.10.2025	06.10.2025	255	159	32	11	BDL	CLOUDY SKY / CALM
24.10.2025	25.10.2025	231	146	28	12	BDL	CLOUDY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

CHINDA VILLAGE PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
06.10.2025	07.10.2025	66	22	8	BDL	CLOUDY SKY / CALM	
07.10.2025	08.10.2025	69	30	9	BDL	CLOUDY SKY / CALM	
12.10.2025	13.10.2025	72	29	8	BDL	CLOUDY SKY / CALM	
13.10.2025	14.10.2025	55	26	10	BDL	CLOUDY SKY / CALM	
20.10.2025	21.10.2025	72	32	8	BDL	CLOUDY SKY / CALM	
21.10.2025	22.10.2025	68	27	7	BDL	CLOUDY SKY / CALM	
26.10.2025	27.10.2025	70	32	9	BDL	CLOUDY SKY / CALM	
27.10.2025	28.10.2025	60	28	8	BDL	CLOUDY SKY / CALM	
NAAQS, 2009		100	60	80	80		

CHINDA COLONY PNSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
06.10.2025	07.10.2025	71	29	10	BDL	CLOUDY SKY / CALM	
07.10.2025	08.10.2025	66	30	9	BDL	CLOUDY SKY / CALM	
12.10.2025	13.10.2025	82	26	8	BDL	CLOUDY SKY / CALM	
13.10.2025	14.10.2025	70	28	11	BDL	CLOUDY SKY / CALM	
20.10.2025	21.10.2025	66	31	12	BDL	CLOUDY SKY / CALM	
21.10.2025	22.10.2025	59	29	9	BDL	CLOUDY SKY / CALM	
26.10.2025	27.10.2025	79	32	11	BDL	CLOUDY SKY / CALM	
27.10.2025	28.10.2025	65	22	12	BDL	CLOUDY SKY / CALM	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE WATER DISCHARGE:		PSOW1			
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS				
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)	
DETECTION LIMIT	2	10	4	2	
05.10.2025	7.62	22	48	BDL	
24.10.2025	8.06	28	64	BDL	
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

NEAR MANAGER OFFICE: PSON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	12.10.2025	45.1	43.7
OCT'25	25.10.2025	46.9	44.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY CHINDA: PCON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	12.10.2025	43.3	42.2
OCT'25	25.10.2025	45.2	44.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

SHIVPURI OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



OCTOBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/OCT-25/62	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

SITE OFFICE PSOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	
04.10.2025	05.10.2025	277	176	52	22	CLOUDY SKY / CALM
19.10.2025	20.10.2025	253	149	39	14	CLOUDY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120

SHIVPURI WEIGH BRIDGE PSOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	
04.10.2025	05.10.2025	312	210	58	24	CLOUDY SKY / CALM
19.10.2025	20.10.2025	289	178	47	18	CLOUDY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120

SUBSTATION PV2UA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	
04.10.2025	05.10.2025	230	156	39	12	BDL CLOUDY SKY / CALM
19.10.2025	20.10.2025	188	112	28	10	BDL CLOUDY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120

COLONY GUEST HOUSE SHIVPURI PSOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.10.2025	07.10.2025	72	28	9	BDL	CLOUDY SKY / CALM
07.10.2025	08.10.2025	62	22	10	BDL	CLOUDY SKY / CALM
12.10.2025	13.10.2025	69	36	8	BDL	CLOUDY SKY / CALM
13.10.2025	14.10.2025	77	29	9	BDL	CLOUDY SKY / CALM
20.10.2025	21.10.2025	82	34	11	BDL	CLOUDY SKY / CALM
21.10.2025	22.10.2025	78	33	7	BDL	CLOUDY SKY / CALM
26.10.2025	27.10.2025	84	26	9	BDL	CLOUDY SKY / CALM
27.10.2025	28.10.2025	67	22	12	BDL	CLOUDY SKY / CALM
NAAQS, 2009		100	60	80	80	

CHINDA VILLAGE PCOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.10.2025	07.10.2025	71	29	10	BDL	CLOUDY SKY / CALM
07.10.2025	08.10.2025	66	30	9	BDL	CLOUDY SKY / CALM
12.10.2025	13.10.2025	82	26	8	BDL	CLOUDY SKY / CALM
13.10.2025	14.10.2025	70	28	11	BDL	CLOUDY SKY / CALM
20.10.2025	21.10.2025	66	31	12	BDL	CLOUDY SKY / CALM
21.10.2025	22.10.2025	59	29	9	BDL	CLOUDY SKY / CALM
26.10.2025	27.10.2025	79	32	11	BDL	CLOUDY SKY / CALM
27.10.2025	28.10.2025	65	22	12	BDL	CLOUDY SKY / CALM
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

NEAR MANAGER OFFICE: PSON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	12.10.2025	45.3	44.1
OCT'25	25.10.2025	46.4	44.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PSON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	12.10.2025	44.4	43.3
OCT'25	25.10.2025	45.5	43.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

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PENCH AREA

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OCTOBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/OCT-25/56a		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-10-25 TO 15-11-25	

MATHANI VILLAGE PTUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
06.10.2025	07.10.2025	52	22	8	BDL	CLOUDY SKY /CALM
07.10.2025	08.10.2025	48	20	9	BDL	CLOUDY SKY /CALM
12.10.2025	13.10.2025	72	30	9	BDL	CLOUDY SKY /CALM
13.10.2025	14.10.2025	66	21	8	BDL	CLOUDY SKY /CALM
20.10.2025	21.10.2025	79	32	9	BDL	CLOUDY SKY /CALM
21.10.2025	22.10.2025	82	36	8	BDL	CLOUDY SKY /CALM
26.10.2025	27.10.2025	60	26	10	BDL	CLOUDY SKY /CALM
27.10.2025	28.10.2025	67	28	9	BDL	CLOUDY SKY /CALM
NAAQS, 2009		100	60	80	80	

SAM OFFICE PTUA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
05.10.2025	06.10.2025	255	165	42	15	11
24.10.2025	25.10.2025	296	196	52	21	14
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120

MANAGER OFFICE- MATHANI PTUA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
05.10.2025	06.10.2025	312	190	54	26	16
24.10.2025	25.10.2025	276	169	40	21	12
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120

JHURE COLONY- FILTER PLANT PTUA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
06.10.2025	07.10.2025	65	25	9	BDL	CLOUDY SKY /CALM
07.10.2025	08.10.2025	69	29	8	BDL	CLOUDY SKY /CALM
12.10.2025	13.10.2025	70	22	9	BDL	CLOUDY SKY /CALM
13.10.2025	14.10.2025	75	33	9	BDL	CLOUDY SKY /CALM
20.10.2025	21.10.2025	66	36	8	BDL	CLOUDY SKY /CALM
21.10.2025	22.10.2025	70	32	7	BDL	CLOUDY SKY /CALM
26.10.2025	27.10.2025	59	24	6	BDL	CLOUDY SKY /CALM
27.10.2025	28.10.2025	77	32	10	BDL	CLOUDY SKY /CALM
NAAQS, 2009		100	60	80	80	


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE-MATHANI: PTUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	12.10.2025	45.9	44.9
OCT'25	25.10.2025	45.6	44.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

MATHANI COLONY: PTUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	12.10.2025	43.3	41.8
OCT'25	25.10.2025	45.7	44.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

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PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



OCTOBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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TEST REPORT NO.	RIN/TR/OCT-25/64	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

URDHAN MANAGER OFFICE PUOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.10.2025	04.10.2025	269	158	42	18	14	CLOUDY SKY / CALM
18.10.2025	19.10.2025	290	180	57	22	12	CLOUDY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

COAL STOCK YARD PUOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.10.2025	04.10.2025	298	178	45	21	13	CLOUDY SKY / CALM
18.10.2025	19.10.2025	304	212	62	27	14	CLOUDY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

NEHARIA VILLAGE PNUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08.10.2025	09.10.2025	60	22	10	BDL	CLOUDY SKY / CALM	
09.10.2025	10.10.2025	68	30	8	BDL	CLOUDY SKY / CALM	
14.10.2025	15.10.2025	75	31	9	BDL	CLOUDY SKY / CALM	
17.10.2025	18.10.2025	79	34	12	BDL	CLOUDY SKY / CALM	
22.10.2025	23.10.2025	80	30	9	BDL	CLOUDY SKY / CALM	
23.10.2025	24.10.2025	55	33	11	BDL	CLOUDY SKY / CALM	
28.10.2025	29.10.2025	69	24	8	BDL	CLOUDY SKY / CALM	
29.10.2025	30.10.2025	61	22	9	BDL	CLOUDY SKY / CALM	
NAAQS, 2009		100	60	80	80		

BOKAI TOWNSHIP PNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08.10.2025	09.10.2025	82	26	11	BDL	CLOUDY SKY / CALM	
09.10.2025	10.10.2025	77	27	9	BDL	CLOUDY SKY / CALM	
14.10.2025	15.10.2025	72	33	9	BDL	CLOUDY SKY / CALM	
17.10.2025	18.10.2025	69	36	8	BDL	CLOUDY SKY / CALM	
22.10.2025	23.10.2025	70	34	9	BDL	CLOUDY SKY / CALM	
23.10.2025	24.10.2025	82	31	7	BDL	CLOUDY SKY / CALM	
28.10.2025	29.10.2025	76	22	11	BDL	CLOUDY SKY / CALM	
29.10.2025	30.10.2025	66	32	13	BDL	CLOUDY SKY / CALM	
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

COAL STCOK BUNKER PUOF1					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)	
		SPM	PM ₁₀		
FROM	TO	5	5		
19.10.2025	20.10.2025	459	347	CLOUDY SKY / CALM	



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: PUOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04.10.2025	7.45	16	28	BDL
19.10.2025	7.80	24	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: PUOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04.10.2025	8.10	24	56	BDL
19.10.2025	7.42	16	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: PUON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	12.10.2025	45.9	44.3
OCT'25	25.10.2025	47.8	45.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

URDHAN VILLAGE PUON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	12.10.2025	43.3	41.2
OCT'25	25.10.2025	45.9	44.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/OCT-25/66	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

SAM OFFICE PV1UA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.10.2025	06.10.2025	256	154	39	14	BDL	CLOUDY SKY / CALM
24.10.2025	25.10.2025	269	166	45	10	BDL	CLOUDY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SUBSTATION PV2UA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.10.2025	05.10.2025	230	156	39	12	BDL	CLOUDY SKY / CALM
19.10.2025	20.10.2025	188	112	28	10	BDL	CLOUDY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

COLONY GUEST HOUSE SHIVPURI PSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06.10.2025	07.10.2025	72	28	9	BDL		CLOUDY SKY / CALM
07.10.2025	08.10.2025	62	22	10	BDL		CLOUDY SKY / CALM
12.10.2025	13.10.2025	69	36	8	BDL		CLOUDY SKY / CALM
13.10.2025	14.10.2025	77	29	9	BDL		CLOUDY SKY / CALM
20.10.2025	21.10.2025	82	34	11	BDL		CLOUDY SKY / CALM
21.10.2025	22.10.2025	78	33	7	BDL		CLOUDY SKY / CALM
26.10.2025	27.10.2025	84	26	9	BDL		CLOUDY SKY / CALM
27.10.2025	28.10.2025	67	22	12	BDL		CLOUDY SKY / CALM
NAAQS, 2009		100	60	80	80		

CHINDA VILLAGE PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06.10.2025	07.10.2025	71	29	10	BDL		CLOUDY SKY / CALM
07.10.2025	08.10.2025	66	30	9	BDL		CLOUDY SKY / CALM
12.10.2025	13.10.2025	82	26	8	BDL		CLOUDY SKY / CALM
13.10.2025	14.10.2025	70	28	11	BDL		CLOUDY SKY / CALM
20.10.2025	21.10.2025	66	31	12	BDL		CLOUDY SKY / CALM
21.10.2025	22.10.2025	59	29	9	BDL		CLOUDY SKY / CALM
26.10.2025	27.10.2025	79	32	11	BDL		CLOUDY SKY / CALM
27.10.2025	28.10.2025	65	22	12	BDL		CLOUDY SKY / CALM
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

		WEIGH BRIDGE PVUF1		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
21.10.2025	22.10.2025	412	256	CLOUDY SKY / CALM



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C, O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: PV2UW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05.10.2025	7.70	18	36	BDL
20.10.2025	8.04	22	56	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE UG-II: PV2UN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	12.10.2025	70.1	68.5
OCT'25	25.10.2025	68.4	67.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/OCT-25/53	DATE OF ISSUE	25-11-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

SUBSTATION: CWSA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-10-2025	13-10-2025	301	203	49	18	15	CLEAR /MODERATE BREEZE
24-10-2025	25-10-2025	277	189	46	16	14	CLEAR /MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

NEAR FILTER PLANT: CWSA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM10	PM _{2.5}	NO ₂	SO ₂		
06-10-2025	07-10-2025	61	18	7	BDL		CLOUDY/MODERATE BREEZE
07-10-2025	08-10-2025	80	27	10	BDL		CLEAR/LIGHT BREEZE
13-10-2025	14-10-2025	72	22	9	BDL		CLOUDY/LIGHT BREEZE
14-10-2025	15-10-2025	88	26	10	BDL		CLEAR /MODERATE BREEZE
22-10-2025	23-10-2025	75	24	9	BDL		CLOUDY/MODERATE BREEZE
23-10-2025	24-10-2025	84	29	10	BDL		CLEAR/LIGHT BREEZE
28-10-2025	29-10-2025	69	19	7	BDL		CLOUDY/LIGHT BREEZE
29-10-2025	30-10-2025	74	23	8	BDL		CLOUDY/MODERATE BREEZE
		100	60	80	80		

ADMINISTRATIVE BUILDING: CWSA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-10-2025	13-10-2025	266	187	43	16	12	CLEAR /MODERATE BREEZE
24-10-2025	25-10-2025	251	170	35	14	10	CLEAR /MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

CWS COLONY: CWSA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06-10-2025	07-10-2025	57	19	7	BDL		CLOUDY/MODERATE BREEZE
07-10-2025	08-10-2025	76	22	9	BDL		CLEAR/LIGHT BREEZE
13-10-2025	14-10-2025	64	20	8	BDL		CLOUDY/LIGHT BREEZE
14-10-2025	15-10-2025	81	24	10	BDL		CLEAR /MODERATE BREEZE
22-10-2025	23-10-2025	70	20	8	BDL		CLOUDY/MODERATE BREEZE
23-10-2025	24-10-2025	84	26	10	BDL		CLEAR/LIGHT BREEZE
28-10-2025	29-10-2025	65	19	7	BDL		CLOUDY/LIGHT BREEZE
29-10-2025	30-10-2025	77	23	8	BDL		CLOUDY/MODERATE BREEZE
		100	60	80	80		



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

ETP DISCHARGE: CWSW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-10-2025	8.27	24	36	2.8
30-10-2025	7.60	22	40	3.2
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10


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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

NEAR WORKSHOP: CWSN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	12-10-2025	58.9	57.7
OCT'25	30-10-2025	57.6	55.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(CWS): CWSN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	12-10-2025	45.4	44.1
OCT'25	30-10-2025	44.2	43.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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WANI NORTH AREA

WESTERN COALFIELDS LTD.

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OCTOBER 2025



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JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102	
TEST REPORT NO.		RIN/TR/OCT-25/23		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-10-25 TO 15-11-25	

PROJECT MANAGER OFFICE WNGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.10.2025	04.10.2025	287	189	45	18	12	cloudy sky / calm
17.10.2025	18.10.2025	250	162	39	14	BDL	clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

SAM OFFICE/ CANTEEN WNKUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.10.2025	04.10.2025	245	154	38	16	13	cloudy sky / calm
17.10.2025	18.10.2025	198	132	29	12	BDL	clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

GHONSA VILLAGE WNGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06.10.2025	07.10.2025	55	24	8	BDL		clear sky / calm
07.10.2025	08.10.2025	68	22	9	BDL		clear sky / calm
12.10.2025	13.10.2025	76	35	8	BDL		clear sky / calm
13.10.2025	14.10.2025	54	25	9	BDL		clear sky / calm
20.10.2025	21.10.2025	68	32	7	BDL		clear sky / calm
21.10.2025	22.10.2025	51	21	8	BDL		clear sky / calm
27.10.2025	28.10.2025	72	24	7	BDL		clear sky / calm
28.10.2025	29.10.2025	79	30	9	BDL		clear sky / calm
NAAQS, 2009		100	60	80	80		

GUEST HOUSE/ COLONY WNGOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06.10.2025	07.10.2025	82	29	11	BDL		clear sky / calm
07.10.2025	08.10.2025	60	34	8	BDL		clear sky / calm
12.10.2025	13.10.2025	72	41	10	BDL		clear sky / calm
13.10.2025	14.10.2025	86	33	9	BDL		clear sky / calm
20.10.2025	21.10.2025	72	36	11	BDL		clear sky / calm
21.10.2025	22.10.2025	77	34	14	BDL		clear sky / calm
27.10.2025	28.10.2025	79	28	8	BDL		clear sky / calm
28.10.2025	29.10.2025	91	39	9	BDL		clear sky / calm
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: WNGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04.10.2025	7.72	22	36	BDL
18.10.2025	7.42	16	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: WNGON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	58.7	56.9
OCT'25	27.10.2025	59.9	55.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY (GHONSA) WNGON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	45.5	44.3
OCT'25	27.10.2025	44.3	42.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

JUNAD OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2025

Environment Laboratory
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CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/OCT-25/24	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

SAM OFFICE WNJOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10.10.2025	11.10.2025	275	174	42	16	12	clear sky / light breeze
19.10.2025	20.10.2025	310	234	54	21	14	clear sky / calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

BORGAN VILLAGE WNJOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08.10.2025	09.10.2025	75	32	11	BDL	clear sky / light breeze	
09.10.2025	10.10.2025	82	39	9	BDL	clear sky / light breeze	
14.10.2025	15.10.2025	66	24	12	BDL	clear sky / light breeze	
17.10.2025	18.10.2025	69	25	10	BDL	clear sky / light breeze	
22.10.2025	23.10.2025	70	30	9	BDL	clear sky / calm	
23.10.2025	24.10.2025	79	27	8	BDL	clear sky / calm	
29.10.2025	30.10.2025	62	22	7	BDL	clear sky / calm	
30.10.2025	31.10.2025	78	32	9	BDL	clear sky / calm	
NAAQS, 2009		100	60	80	80		

BHALAR TOWNSHIP WNUOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
06.10.2025	07.10.2025	72	28	12	BDL	clear sky / light breeze	
07.10.2025	08.10.2025	83	34	11	BDL	clear sky / light breeze	
12.10.2025	13.10.2025	70	32	12	BDL	clear sky / light breeze	
13.10.2025	14.10.2025	82	24	13	BDL	clear sky / light breeze	
20.10.2025	21.10.2025	69	28	9	BDL	clear sky / calm	
21.10.2025	22.10.2025	79	22	8	BDL	clear sky / calm	
27.10.2025	28.10.2025	75	34	10	BDL	clear sky / calm	
28.10.2025	29.10.2025	66	22	9	BDL	clear sky / calm	
NAAQS, 2009		100	60	80	80		

UKNI VILLAGE WNUOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08.10.2025	09.10.2025	69	30	12	BDL	clear sky / light breeze	
09.10.2025	10.10.2025	82	37	13	BDL	clear sky / light breeze	
14.10.2025	15.10.2025	89	32	10	BDL	clear sky / light breeze	
17.10.2025	18.10.2025	77	41	9	BDL	clear sky / light breeze	
22.10.2025	23.10.2025	78	33	7	BDL	clear sky / calm	
23.10.2025	24.10.2025	72	32	8	BDL	clear sky / calm	
29.10.2025	30.10.2025	84	35	9	BDL	clear sky / calm	
30.10.2025	31.10.2025	89	39	12	BDL	clear sky / calm	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS-5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

		SECURITY POST	WOF1	
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
28.10.2025	29.10.2025	410	321	CLEAR/LIGHT BREEZE



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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102	
SAMPLE DESCRIPTION	Water sample				
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)				
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25	

MINE WATER DISCHARGE: WNJOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10.10.2025	7.95	24	52	BDL
19.10.2025	8.10	32	60	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WNJOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10.10.2025	7.65	16	28	BDL
19.10.2025	7.84	22	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: WNJON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	59.3	57.7
OCT'25	27.10.2025	58.9	56.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

BHALAR COLONY: WNJON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	45.4	43.9
OCT'25	27.10.2025	44.5	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

KOLARPIMPRI OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/OCT-25/25	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

SUBSTATION KOLARPIMPRI WNKOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
09.10.2025	10.10.2025	312	205	60	26	16	clear sky / light breeze
26.10.2025	27.10.2025	342	216	62	29	19	clear sky / calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

REST SHELTER WNKOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
09.10.2025	10.10.2025	287	176	54	19	13	clear sky / light breeze
26.10.2025	27.10.2025	267	154	42	20	11	clear sky / calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

PIMPRI VILLAGE WNKOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
06.10.2025	07.10.2025	70	28	9	BDL	clear sky /light breeze	
07.10.2025	08.10.2025	79	33	10	BDL	clear sky /light breeze	
12.10.2025	13.10.2025	87	30	11	BDL	clear sky /light breeze	
13.10.2025	14.10.2025	77	37	8	BDL	clear sky /light breeze	
20.10.2025	21.10.2025	79	29	9	BDL	clear sky / calm	
21.10.2025	22.10.2025	84	32	12	BDL	clear sky / calm	
27.10.2025	28.10.2025	91	37	9	BDL	clear sky / calm	
28.10.2025	29.10.2025	73	28	11	BDL	clear sky / calm	
NAAQS, 2009		100	60	80	80		

WATER FILTER PLANT PRAGATI NAGAR WNKOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
06.10.2025	07.10.2025	92	42	14	BDL	clear sky /light breeze	
07.10.2025	08.10.2025	84	39	11	BDL	clear sky /light breeze	
12.10.2025	13.10.2025	77	32	8	BDL	clear sky /light breeze	
13.10.2025	14.10.2025	90	39	14	BDL	clear sky /light breeze	
20.10.2025	21.10.2025	66	34	9	BDL	clear sky / calm	
21.10.2025	22.10.2025	76	28	12	BDL	clear sky / calm	
27.10.2025	28.10.2025	79	22	8	BDL	clear sky / calm	
28.10.2025	29.10.2025	72	29	9	BDL	clear sky / calm	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS-5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

CHP WNKOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
30.10.2025	31.10.2025	456	326	CLEAR/CALM

WEIGH BRIDGE WNKOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
30.10.2025	31.10.2025	420	342	CLEAR/CALM



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C, O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: WNKOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09.10.2025	7.74	20	40	BDL
26.10.2025	7.62	18	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP: WNKON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	62.3	61.7
OCT'25	27.10.2025	63.2	60.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY PRAGATI NAGAR: WNPON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	45.3	44.4
OCT'25	27.10.2025	44.9	43.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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PIMPALGAON OC

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OCTOBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/OCT-25/27	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

SAM OFFICE WNPOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
09.10.2025	10.10.2025	269	170	48	14	12	clear sky / light breeze
26.10.2025	27.10.2025	235	128	34	16	10	clear sky / calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

WORKSHOP WNPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
09.10.2025	10.10.2025	290	191	56	17	14	clear sky / light breeze
26.10.2025	27.10.2025	262	160	46	16	12	clear sky / calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

WATER FILTER PLANT PRAGATI NAGAR WNKO44							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
06.10.2025	07.10.2025	92	42	14	BDL	clear sky /light breeze	
07.10.2025	08.10.2025	84	39	11	BDL	clear sky /light breeze	
12.10.2025	13.10.2025	77	32	8	BDL	clear sky /light breeze	
13.10.2025	14.10.2025	90	39	14	BDL	clear sky /light breeze	
20.10.2025	21.10.2025	66	34	9	BDL	clear sky / calm	
21.10.2025	22.10.2025	76	28	12	BDL	clear sky / calm	
27.10.2025	28.10.2025	79	22	8	BDL	clear sky / calm	
28.10.2025	29.10.2025	72	29	9	BDL	clear sky / calm	
NAAQS, 2009		100	60	80	80		

BORGHAON VILLAGE WNJOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08.10.2025	09.10.2025	75	32	11	BDL	clear sky / light breeze	
09.10.2025	10.10.2025	82	39	9	BDL	clear sky / light breeze	
14.10.2025	15.10.2025	66	24	12	BDL	clear sky / light breeze	
17.10.2025	18.10.2025	69	25	10	BDL	clear sky / light breeze	
22.10.2025	23.10.2025	70	30	9	BDL	clear sky / calm	
23.10.2025	24.10.2025	79	27	8	BDL	clear sky / calm	
29.10.2025	30.10.2025	62	22	7	BDL	clear sky / calm	
30.10.2025	31.10.2025	78	32	9	BDL	clear sky / calm	
NAAQS, 2009		100	60	80	80		



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP: WNPON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	58.7	56.5
OCT'25	27.10.2025	59.4	55.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY PRAGATI NAGAR: WNPON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	45.3	44.4
OCT'25	27.10.2025	44.9	43.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

RAJUR UG

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2025

Environment Laboratory
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REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/OCT-25/28	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

NEAR BANDEWADA INCLINE WNRUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
03.10.2025	04.10.2025	264	172	42	17	10	clear sky /light breeze
22.10.2025	23.10.2025	239	143	32	15	12	clear sky /light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DEcember 2000		600	300	-	120	120	

PIT OFFICE WNRUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
10.10.2025	11.10.2025	288	192	56	24	12	clear sky /light breeze
22.10.2025	23.10.2025	269	158	30	13	10	clear sky /light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DEcember 2000		600	300	-	120	120	

SAM OFFICE WNRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
08.10.2025	09.10.2025	84	39	12	BDL		clear sky / light breeze
09.10.2025	10.10.2025	92	33	14	BDL		clear sky / light breeze
14.10.2025	15.10.2025	80	42	10	BDL		clear sky / light breeze
17.10.2025	18.10.2025	79	36	9	BDL		clear sky / light breeze
22.10.2025	23.10.2025	82	39	11	BDL		clear sky / calm
23.10.2025	24.10.2025	94	30	15	BDL		clear sky / calm
29.10.2025	30.10.2025	78	34	12	BDL		clear sky / calm
30.10.2025	31.10.2025	90	32	10	BDL		clear sky / calm
NAAQS, 2009		100	60	80	80		

HUTMENT WNRUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
08.10.2025	09.10.2025	72	39	12	BDL		clear sky / light breeze
09.10.2025	10.10.2025	68	30	11	BDL		clear sky / light breeze
14.10.2025	15.10.2025	78	36	10	BDL		clear sky / light breeze
17.10.2025	18.10.2025	69	33	8	BDL		clear sky / light breeze
22.10.2025	23.10.2025	56	32	9	BDL		clear sky / calm
23.10.2025	24.10.2025	70	34	7	BDL		clear sky / calm
29.10.2025	30.10.2025	70	24	9	BDL		clear sky / calm
30.10.2025	31.10.2025	69	22	9	BDL		clear sky / calm
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS-5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

WEIGH BRIDGE			WNUF1	ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
		SPM	PM ₁₀	
FROM	TO	S	S	
21.10.2025	22.10.2025	432	346	CLEAR/LIGHT BREEZE



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25

MINE WATER DISCHARGE: WNRUW1		ANALYSIS RESULTS		
DATE OF SAMPLE COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04.10.2025	7.74	26	48	BDL
23.10.2025	7.65	18	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE:		WNRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'25	13.10.2025	60.1	58.8
OCT'25	27.10.2025	62.6	57.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY RAJUR:		WNRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'25	13.10.2025	44.9	43.8
OCT'25	27.10.2025	45.4	44.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

UKNI DEEP OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/OCT-25/29		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-10-25 TO 15-11-25	

WORKSHOP PREMISES		WNUOA1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
10.10.2025	11.10.2025	312	210	60	25	15
19.10.2025	20.10.2025	269	165	42	19	10
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120

BHALAR TOWNSHIP		WNUOA2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	ENVIRONMENT CONDITIONS (Sky/Wind)
06.10.2025	07.10.2025	72	28	12	BDL	clear sky / light breeze
07.10.2025	08.10.2025	83	34	11	BDL	clear sky / light breeze
12.10.2025	13.10.2025	70	32	12	BDL	clear sky / light breeze
13.10.2025	14.10.2025	82	24	13	BDL	clear sky / light breeze
20.10.2025	21.10.2025	69	28	9	BDL	clear sky / calm
21.10.2025	22.10.2025	79	22	8	BDL	clear sky / calm
27.10.2025	28.10.2025	75	34	10	BDL	clear sky / calm
28.10.2025	29.10.2025	66	22	9	BDL	clear sky / calm
NAAQS, 2009		100	60	80	80	

UKNI VILLAGE		WNUOA3				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	ENVIRONMENT CONDITIONS (Sky/Wind)
08.10.2025	09.10.2025	69	30	12	BDL	clear sky / light breeze
09.10.2025	10.10.2025	82	37	13	BDL	clear sky / light breeze
14.10.2025	15.10.2025	89	32	10	BDL	clear sky / light breeze
17.10.2025	18.10.2025	77	41	9	BDL	clear sky / light breeze
22.10.2025	23.10.2025	78	33	7	BDL	clear sky / calm
23.10.2025	24.10.2025	72	32	8	BDL	clear sky / calm
29.10.2025	30.10.2025	84	35	9	BDL	clear sky / calm
30.10.2025	31.10.2025	89	39	12	BDL	clear sky / calm
NAAQS, 2009		100	60	80	80	

PIMPRI VILLAGE		WNUOA3				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	ENVIRONMENT CONDITIONS (Sky/Wind)
06.10.2025	07.10.2025	70	28	9	BDL	clear sky /light breeze
07.10.2025	08.10.2025	79	33	10	BDL	clear sky /light breeze
12.10.2025	13.10.2025	87	30	11	BDL	clear sky /light breeze
13.10.2025	14.10.2025	77	37	8	BDL	clear sky /light breeze
20.10.2025	21.10.2025	79	29	9	BDL	clear sky / calm
21.10.2025	22.10.2025	84	32	12	BDL	clear sky / calm
27.10.2025	28.10.2025	91	37	9	BDL	clear sky / calm
28.10.2025	29.10.2025	73	28	11	BDL	clear sky / calm
NAAQS, 2009		100	60	80	80	


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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS-5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-25 TO 15-11-25

WEIGH BRIDGE		WNUOF1		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
23.10.2025	24.10.2025	456	329	CLEAR/LIGHT BREEZE

CHP		WNOF2		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
23.10.2025	24.10.2025	478	365	CLEAR/LIGHT BREEZE



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SAMPLE DESCRIPTION	Water sample				
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)				
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-10-25 TO 15-11-25

MINE WATER DISCHARGE: WNUOW1		ANALYSIS RESULTS		
DATE OF SAMPLE COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10.10.2025	7.65	22	36	BDL
19.10.2025	7.96	20	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WNUOW2		ANALYSIS RESULTS		
DATE OF SAMPLE COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10.10.2025	8.02	24	48	BDL
19.10.2025	8.02	22	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP DISCHARGE: WNUOW3		ANALYSIS RESULTS	
DATE OF SAMPLE COLLECTION	TSS (in mg/l)	BOD(in mg/l)	
DETECTION LIMIT	10	2	
10.10.2025	22	10.06	
19.10.2025	32	11.02	
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30	



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE	
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT	
SAMPLING METHOD	LSOP 6	

CHP: WNUON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'25	13.10.2025	62.3	60.6
OCT'25	27.10.2025	61.8	59.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

BHALAR COLONY: WNUON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'25	13.10.2025	45.4	43.9
OCT'25	27.10.2025	44.5	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

WANI RAILWAY SIDING

WANI NORTH AREA

WESTERN COALFIELDS LTD.

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OCTOBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/OCT-25/30	DATE OF ISSUE	25.11.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-25 TO 15-11-25	

VITTALWADI WNRS A3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	2	6	10	
06.10.2025	07.10.2025	80	28	10	BDL	clear sky / light breeze
07.10.2025	08.10.2025	76	34	9	BDL	clear sky / light breeze
12.10.2025	13.10.2025	82	37	11	BDL	clear sky / light breeze
13.10.2025	14.10.2025	69	30	14	BDL	clear sky / light breeze
20.10.2025	21.10.2025	77	31	11	BDL	clear sky / calm
21.10.2025	22.10.2025	70	33	7	BDL	clear sky / calm
27.10.2025	28.10.2025	82	36	9	BDL	clear sky / calm
28.10.2025	29.10.2025	72	22	8	BDL	clear sky / calm
NAAQS, 2009		100	60	80	80	

PRAGATI NAGAR WNRS A4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	2	6	10	
08.10.2025	09.10.2025	78	39	12	BDL	clear sky / light breeze
09.10.2025	10.10.2025	91	32	11	BDL	clear sky / light breeze
14.10.2025	15.10.2025	72	40	13	BDL	clear sky / light breeze
17.10.2025	18.10.2025	69	30	8	BDL	clear sky / light breeze
22.10.2025	23.10.2025	76	24	7	BDL	clear sky / calm
23.10.2025	24.10.2025	87	29	9	BDL	clear sky / calm
29.10.2025	30.10.2025	65	32	10	BDL	clear sky / calm
30.10.2025	31.10.2025	80	36	9	BDL	clear sky / calm
NAAQS, 2009		100	60	80	80	



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

Residential Area Near Railway siding		WNRSN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	46.7	45.2
OCT'25	27.10.2025	45.9	44.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

NEAR INCHARGE OFFICE:		WNRSN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'25	13.10.2025	59.9	58.4
OCT'25	27.10.2025	58.6	56.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Yogesh Pidurkar
Reviewed by



Amol Kamble
Authorised by

1. This report cannot be reproduced in part or full without written of the management.
2. Laboratory activities are performed at the Laboratory permanent facility that is ground floor, Environment Lab, CMPDI RI-IV, Nagpur.
3. This report refers to the values related to the items tested.

***** End of report *****